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<210> 22788
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 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E4

<400> 22788

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 tcacctggtg ctcatgtag caagacaata tttttctat ggttattttg tggcaccaaa 360
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 <212> DNA
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<400> 22789

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tgag

424

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<213> Zea mays

<223> unsure at all n locations
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<400> 22790

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<211> 151
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<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E7

<400> 22791

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<210> 22792
<211> 81
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E8

<400> 22792

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<211> 66

<212> DNA

<213> Zea mays

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<400> 22793

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<210> 22794

<211> 424

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<400> 22794

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gctgctggca cggcgggtgga cgatggcgag ccgcctcagc agtgcgcgac cccggtgagc 240

gtggaggagg cgtgccgcgg cgcgtccgag acgcacgccg gcgtggccta cgaccactgc 300

atggcgctcg tgggcgccga cccgcgcagc aaggaggccg gcaacaagaa catgcacggg 360

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gacg 424

<210> 22795

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<212> DNA

<213> Zea mays

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<400> 22795

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gaggaggaga agctgcgcaa ggcgggcatc atcgacatgc agttccgaag ggttaagtgc 240

aagtactact ccaagggcac cttccacctt gaaaaggggt gcggcccca ctacctggca 300

ctgctgggtca agtacgtcga cggcgacagt gacattgtgg cagtggacgt caaggagaag 360

ggcttcgaca cgtacgagcc tctgaagcac tcctggggcg ccatctggag gaaagacagc 420

gacaaacc 428

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<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 22796

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cccttgccgg cctccccgtc gctgcgcctc gcatcagcgt aatccatcgt cgatgcgtcc 240

gggtcctcct ccccggcctn caccactcc ggctcccca atccggttga gcccgcgcga 300

catccccact gtcgcgcct tgctggctc cccgtcgtgg cgtctcgcgt cggcaccttc 360

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<210> 22797

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C2

<400> 22797

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 acatcccatg caccagagta accatggacg acgaccgcat catgtacagt gacgccaact 360
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 <212> DNA
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<223> Clone ID: LIB3066-029-Q1-K1-C3

<400> 22798

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 tactaatttg catcgaagaa agtttgggtcc caaacaactc gtgaactcgt tttcttatta 180
 ttgggctgat ggacaaggca acgtgaaatt tttcatggta cctgtgaaca gaacttagcc 240
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<210> 22799
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 <212> DNA
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<223> Clone ID: LIB3066-029-Q1-K1-C4

<400> 22799

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ccgtcgtctg gaagaccacc accagcgtcg gctgcggacg catcaagtgc aacagcggcg 180
acaccatcat catgtgcagc tactggccgc cggggaacta ccacggcggt aagccatact 240
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<210> 22800

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C5

<400> 22800

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cactgcttac tcaccactag gttcacctgg tacaacttgg atgaatggta atgtccttaa 240
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gcgctggaac attcagatgg gtcacagtgt tcttccaaag agcacgaatg aagaaaggat 360
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<210> 22801

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C6

<400> 22801

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 ccgtaagatc gatatgatcc gtcccaagga atttattcct gccctttttg ttatcgcgcg 420
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<210> 22802
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C7

<400> 22802

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 ctaccttctc tgttcagctt cggctactta gaaagccagt ggtggcagag gcaagctggt 360
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<210> 22803
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C8

<400> 22803

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 acaccagtca atacagtaaa aagagagtat tctcttatgt agtcttattc cttcccaccc 240
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<210> 22804
<211> 448
<212> DNA
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<223> Clone ID: LIB3066-029-Q1-K1-C9

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cctccaacgc cggagcgccc tcttacgggg cggcggcgcc gttcggaggc gcccgggacg 180
caccgcgcgg cacctccgag ggccctgcc a gcgccagcg gccatcgggt ggtgacgccc 240
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cggcggcgcc gtcgtccggg ccctctagcg caccgcgcgc atcgctgtct gagtcctccg 360
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<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D1

<400> 22805

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 <212> DNA
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 <223> Clone ID: LIB3066-029-Q1-K1-D10

 <400> 22806

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 caagggcccc ttctctatcc gctcaccag cgagtcggc aagaagggtca tcgctaaaga 180
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 aattaaagtg gcccatatat atataatata taatggaaac cctgggcttt gattattggg 360
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 <211> 429
 <212> DNA
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 <223> Clone ID: LIB3066-029-Q1-K1-D11

 <400> 22807

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<223> Clone ID: LIB3066-029-Q1-K1-D12

<400> 22808

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<223> Clone ID: LIB3066-029-Q1-K1-D2

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<212> DNA
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 <223> Clone ID: LIB3066-029-Q1-K1-D3

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 <223> unsure at all n locations

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<210> 22813

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A7

<400> 22813

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<210> 22814

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A8

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<210> 22816
<211> 406
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B1
<400> 22816

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ggcgtggctg ccaccgtcac cactccggc aagaaggccg ggcacgactt caccgtcccg 120

ggggaagcct ccattgccac gtccggcaag tcggtcgagt ccctgtgcgc gccacgcttg 180
 tacaaggagt cgtgtgagaa gacgctctcc caggccacca atggcaccga gaaccccaag 240
 gaggtgttcc acagcggttc caaggtggcg ctggagtcgg tgaaaacagc ggtcgagcag 300
 tccaagacga tcggcgaggc taatgccagc gactccatga ccgagagcgc gcgggaggac 360
 tgcaagaagc tcctcgagga cgccgttgac gacctcaggg gcatgc 406

<210> 22817
 <211> 218
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-B10
 <400> 22817

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 actaacaatc agttacatag ctagtgttga tgcttgtgta acaaagatga atctgttgga 120
 gctgctaggg tgccaaagggt ggggtcccct attcggcaga gctctggcag acggtaaatt 180
 ctatgaatcg attcgttttag gctttgttcg gttatttc 218

<210> 22818
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-B11
 <400> 22818

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 tctgtcctcg ctagccgtcg ttccatggcg ccgttcgcgg gcgcacgcgc atcgacgtcg 120
 tgagggcagg tccatggcgt ccgcggacgc accggaggcc gacgtcgacg ctcccgtcc 180
 tgctcctggc cccgactcct cctcgacccc gtcgccggca cccttcagca gcagctcttc 240
 cgactagccg gccggcatag atatctacgg tgtccgatca ggctttggcg ccacctataa 300
 cctatcggat cctgcaaagc tatatatgat tctatggcat aatgcgtggc tgccggaaac 360
 gcccgaaaat aatgtgcttg cgtgatcgat tgtctctgtc tctgtctgct taataatg 418

<210> 22819

<211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-B3

 <400> 22819

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 ttctccaat tcccctctc ctccaacaa ggcaacaaca atctgttccg gccgccaaac 120
 aaaacaaaa aaaaaaacac actgaaccca ataatccgat cccacagaaa cttttctctc 180
 ggtccgttcg atcgatcgct gccgtgtcgt ttgccagaca ccatcagcac caaaaccat 240
 ggctgcaac ctggctcagt gcgccaccgc cgccgcggcg accgtcgcgc cccgcacccc 300
 tcgccctgct gcgtccgcgt ccgtctcctt ctccgcgagg aagccggcgg gcggcagcct 360
 gcggctgcag cggcaggcgt gctgcg 386

<210> 22820
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-B4

 <400> 22820

 cccacgcgtg cgcagacacg tgcgtcaaca cgattgttca gaagggaaact atgaggcggg 60
 cctacgaggc agacataccg actaatatga ctctattgga cggcatctta tcgaactaac 120
 gaactaacgc ggactactac gcaatccgaa cagagcttac gacagctacc taggatacag 180
 atcgagatga atacgactct cttcgacttc actgtatgaa tgggcgactg ggtcagcaca 240
 ctattgggat gaccaaaggc cggaatcaac ggcgcctcaa ctacttccga gtattactac 300
 tacgctaccg atagcactgg cgctaaagca tcctttggca ccaccgtact aacggacttc 360
 accatgaact gtgcactatg aat 383

<210> 22821
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-B5

<400> 22821

ggccgccccg ctggggcccc cccgcgccat tgctcgaatc gggaggcatt cgtccgcgcg 60

cgctgctgcc ccgcgccgtg gcggtggcgt tggcggtatg tacgaccgct agaaggaagg 120

aggaggcggc attagtgggt gggattagga ggcggcactg ctggtgccgg gaggaggagg 180

aggcgtagcc catgaaggcg acggcgccgc cggcgaagcg gcggaggggc ccgcggctgg 240

cggtgctggc gctcgtgttc tgttcgctgc tcgtgccgat cgccttcctc ttcaaccgct 300

tccccgcgct atatgtgaca gatgagcgcc ctcagcagga gattgacttg ccttcgttcg 360

atcgtgtggt atttgaaaat ggtggctctg taattgaaga tgtg 404

<210> 22822

<211> 347

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-B6

<400> 22822

caaggttaaa aacaatatct cagaaactgc agaagttgca caggcagagg atacctctcc 60

tatggatatc aatagtcaat ccaaccagaa gcaagaatca tgtggaccga atggatccaa 120

agatcgata ctaagatcaa cttctcgttc atcatcttcc agagaaaaaa ctatggagaa 180

atcatgcagt tcagcacaca agggcaaaag aaccttatgg ggccgtactt cagcaagaaa 240

agacctgtca acagaggaga ttgaatgctg cagcgatgat gaggcccttg ttgagaaact 300

tgagagtaac aagattgatc tncaatcaaa aattgcaaag gaggcca 347

<210> 22823

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B7

<400> 22823

ggacaggatg cccgcgacgc gcatttcggg gaccctcagg tcgccccaga tcgacgtggt 60

catcgacacg gggaaccctt tctgaaccg caccgtctac ggcttcctca agatcggcgt 120

tgtcggcgcc tgcaaggtgg cggccgagga gaccttcgac tgcctccaca ggggggatgt 180

ttcaaagcgc aaggttgagc atgccctgaa gaagatgtgc aaggagggcg catattgggg 240
gactgttgct ggcgtctacg tgggcgtggt gtatggcgtg gagaggggtcc gtgggcgcag 300
tgactggaag aacgcgatgg tctgaggcgc cttgtccggc gcgctggtct acgacgacag 360
cagcaaccac ggagacaaga tcgtcaagga cgcca 395

<210> 22824
<211> 144
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B9
<400> 22824

agctttcgtt atcctcctcg atcttaatta caggatcatag ctaagcaggt ctgacaggat 60
gtcgtggcag acatacgtcg atgagcacct gatgtgcgag atcgagggcc accacctgac 120
cttcgctgcc atagtcggcc acga 144

<210> 22825
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-C1
<400> 22825

cggacgcgtg ggtgtcagtc attgctattc actgccttcc cttggccagt acgggtgaaa 60
atatcgtatt cttttataag atgaaagggtg actactaccg ttacttggct gaatttagca 120
ctggaactga aaagaaagct gcctctgac agtcacttat ggcctatcag catgccatgg 180
ttgtcgcttc cagtgcgtc tcacctgctc accaaatccg gcttggcctt gccctcaatt 240
tgtcgggtctt cttttatgag ataatgaact ctcatgagag agcttgccaa gtggcaaaac 300
aagcatttga tgaggctctt actgagataa attctgggtga gggagtctac aaggatagca 360
catttatgat gcagcttctg aaggacaact tagcattgtg gacatcagaa ctaact 416

<210> 22826
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C10

<400> 22826

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agctgtattg ttccattacg acgggaatgt caatgggtgg aatgatctac catggagcaa 120
aagtgtgata catatagctg cttctaacca gactaaatgg tggtttgcaa agaggttcct 180
ccatcctgct gttgtgtcta tgtaccagta catctttctt tgggatgaag acctggaagt 240
agataacttt aatccgagaa ggtacttaaa tatagttaga tcagaaggac tggagatata 300
acaaccaggt cttgattcta agctttctga aattcatcac cgaataactg gtcgtaaaaa 360
tacagggacc tttcatagaa gagttagtcg ggcttacaaa cgttgtttaa gagaaggacc 420
gcct 424

<210> 22827

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A5

<400> 22827

cacgcgtccg gctattttctt ctgcctctc ccaccggccc ggtegcccg agtagcaagc 60
gtctccgata cgatccatcg tgcgagcata tccacggcga tggaggcgag agcggccatg 120
agctggtact gcggctccct tctggcctg gccatcgcg tgttctgtc cgtgtccctc 180
ggcgtgcgcg ccgccggcgc cggcgcgggc gtcgacatca aggtgtcgtg tgcagcgacg 240
ccggacccgg acgtgtgcct acgcgcgctc caggcggaca gcgactcaa gaccccgcg 300
gacctggcgg aggcggcgct ccgcgcggcg acgaccgcg gcggcgcggc gggcgactac 360
gcgcggcacg agatggacgt ggtgaaggac aacgacatgt g 401

<210> 22828

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H11

<400> 22828

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 agaaaaaac gcgtctctga attccacacg gccggcgaag acacttgaac agtcttgctg 120
 gcaatgggaa acaagggacc agtgccaaca caggaatcga cgaatgatga cgccgaggca 180
 ccgtcgtcta cgtctgctgc gagcaatact aagagcaaga cagacgtgga gcgagagcag 240
 ctgttcgaag gatcaagcga cgacgacgcc cacacgccac ggaagagaag caccagaggag 300
 atcctcacca aatacaagtt caaaggggac gccgcggctg ccgcggctca cgccaagcag 360
 aagctcatgg agcggcagga gaaactcgcg agaatacagg agcagtccgc ggagctggag 420
 agcgaggccg agaact 436

<210> 22829
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H12
 <400> 22829

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 tagggccacc tggtagcgtc agcccaacgg tgccggcgct cctgacaacg gcggtgcgtg 120
 cgggatcaag aacgtgaacc tgccacccta cagcggcatg acggcgtgcy gcaacgtccc 180
 catcttcaag gacggcaagg gctgcggctc atgctacgag gtgagatgca aggaaaaacc 240
 tgagtgtctg ggcaatccag tcacgggtgta catcactgac atgaactacg agcctatcgc 300
 tccctaccac ttcgacttga gcggcaaggc ccttcggctt cctggcaaag cccgggctca 360
 acgacaagat tcgccactgc ggcatcatgg acgtcgagtt cagaagggtg cgatgc 416

<210> 22830
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H2
 <400> 22830

gcgcgagcgc cggcgcctac gccagggtgcc caggcctccg tcggtcattt cgccaggcat 60
 tcgtcgcggg ctcttcgccg gcgacgagca caccaccaa acagattctc gtgacagtgc 120

ctccctgggtt gccttttcgct gaagttactg aatctgaaat ctgaccatca tgaaccaggt 180
 tgaggggttg tccctttacga gcatgttata atgggagaga acggagttca gctgacactg 240
 acctccactt tgaagagcac aggcaagcca cggatcaatg cggacgggct gaataatgga 300
 tcacatacta ccaaagagaa gcatgaacac ggtggcactt 340

<210> 22831
 <211> 377
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-H3

<400> 22831

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 gcgcaaaacc ctagccgcgcg acccctccaa tcccctacca gcgcccgcatt gccggcccca 120
 atcgagctag ggctcgccaa tttctggccg agctcggtga aatttcggcc ggtcttttct 180
 ggtgaatcct ttggtttatc ctgaggggat attttgattt ctgcggcgca cgatggggag 240
 cagaagggag gaggagagga acgagaagat catccgcggg ctcatgaagt tgccgnccaa 300
 ccgcaagtgc atcaattgca acagtgtggg gccacagtat gtgggtacca atttctggac 360
 cttcatttgc ctgtcat 377

<210> 22832
 <211> 88
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H4

<400> 22832

cccacgcgtc cgcggacgcg tggggttggtg cgtagcttct ctctatatat ataccggtat 60
 gtaaattggtc gacaaaattt gtttgacc 88

<210> 22833
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H5

<400> 22833

gccgcccgtt cgccgctgcc cgttttcttcg aaccactccg aagctgcccc gccatggaca 60
gctccgccac tgacggcgcg aggctaccgc cgccaagggc cgggagtcgc ctctgcgtca 120
ggtgcggcga gaggaaggcc gcgctgaagc ggcccaaaac cctagaacag atctgtaggg 180
aatgcttcta tatcatcttt gaggacgaaa ttcataaac tattgtccag aattctctgt 240
ttaaagctgg tgagcgtgtg gcaatcggag cttctgggtg aaaagattca accgtgcttg 300
catatgtgtt atcggagtta aaccgtcagc ataactatgg gcttgatttg tgcccttttat 360
ctgtcgatga aggaatcaca ggatatagag atgactca 398

<210> 22834

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H6

<400> 22834

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gcaagtgttg gatttaaagc tgggtgtaag gattataaat tgacttacta cccccggag 120
tacgaaacca aggatactga tatcttggca gcattccgag caactcctca gtcgggggtt 180
ccgcctgaag aagcatgagc tgcagtagct gcggaatctt ctactggtac atggacaact 240
gtttggactg atggacttac cagtcttgat cgttacaaag gacgatgcta tcacatcgag 300
cccg 304

<210> 22835

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H7

<400> 22835

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ccgccacatc agccatgggc gcctgcgcaa ccaagcccaa gacgcttgag gggcaggccc 120

cagctgagggc cgccgtctcc acacccaagg ttgcgcccga ggccactcca atctccgttg 180
 aggttgcggc tgatgaacag gtagctgaga aggtggtggt gggaggagcc ggctgcgggc 240
 gccgacgttg agcatcagaa ggctaataag gtgctcgctc cagaggcggc cgctcgccgag 300
 cccgaccaca aggaggagga agccgtggag aagaccgtcg tcgaggagga gaagccagcg 360
 gcagcagccc atgcagagga aaaggctggc accggcgctc agaccacgac gacggtggag 420
 gcgaagaaga acgccgagga tgccgtgaag gagaagctgg cgcagcaaag ctgatcg 477

<210> 22836

<211> 435

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-H8

<400> 22836

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 gtacatcatc attatttgcc acatcagtga caaataatcc aagtccattc ggccactggct 120
 cattattcgc taacactcaa tcagccccat tatttcctc agcatttgct caaccgacat 180
 caagtacacc ggctttctcc tctggcagcc tatttggtc aactaatccg ggcagtctgt 240
 ttagcagcag cggtccttca cttttttcaa caccaacatt tcaaccatcg gcccctgctc 300
 aaacttcgaa cttattctcc ttccaacctg caattcaacc agcttctaca ggtgggattc 360
 cctgtttttt ccaatactac aaaccaagcc ttgatgggac agncggatga tcttttgcta 420
 cttttcaaat gcaca 435

<210> 22837

<211> 406

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-H9

<400> 22837

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 ctctagccc cgactccgcc tcattccccag actcatcgct agaggcgccc tccagcagca 120

gctcctccga ctagacgcaa aaacctcttc attctctgga ataactaaca gtatatacgt 180
 tgcaccctga tgatatagaa acatgtacgt gcatcagtg atggaatgag agtggcaaac 240
 acatggaatg tgcttgccta attattgttt atttctttat ttattatatg tctctctcgg 300
 ttgtttttta ttttcttaa tgcattgaat ataatttgtt ataccaata tagacaatgt 360
 gtgctatgag ctntaattct atggtgacga tggcacggt ttctca 406

<210> 22838

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A1

<400> 22838

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 ggcgtcgagt ccccgatggg tggtcagggg gagtcgctgg tgctaaccac gcgccattgg 120
 ggtctttcca gatgagaata ttcaccgggg gcacacaaat tgctcgtcgg agtggacgct 180
 tcgccttggg tcagcggtaa gctgtgggca gacgacatca cgccccgat agcttcgcga 240
 ggttacgagt cacttgaaga gcaagttggt acctggaatc tcaagtccca ggtcaagaac 300
 aggtaccgta agatgaggcg cataaaggat atttgtatga gttcgtgaga ggtctaggcc 360
 gtcattctcc agtcaacttt aggttgctgg atcgggtgtct tcatatgatg gaattattta 420
 attaatttg 429

<210> 22839

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A10

<400> 22839

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 agaggccttc accaattgat ttctgcgcgc ctcgggcccc gggaggcgat ggcacggtgc 120
 tgggcgacct gccggagaac tgcgtcgtgg aggtgctgct caggctggac ccgctggaga 180
 tctgctggat ggcgcggctc agccgcacgt tccacgacgc cgcgtccggg gacggtgtct 240

gggagtccaa gctgctgacg aactacgtgc gccttctcgc cgtcgtcgcg gccggcgatg 300
 gggaagcggg gcaggccgcc gggctctgcgc cggaggcgga gccgctgccc aagaaggaac 360
 tgtacgcgcg gctttgccgt aggaaccgtt tcgacggcgg caaaagagtt ctggctggac 420
 aagggtg 427

<210> 22840
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-A11
 <400> 22840

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 atgaccatag cagcaatgac atggctgtgg tgatggggct ccggcgagca attcccatta 120
 cccagccaca tctcccgttg aattgagagt tgttgaacta caacatgcgc tcaaaaacct 180
 attagcccct tcccctgagc ccgaacaacg ccgagggcgt gatacattgg cggcgacaac 240
 ctctctttct ctactacct ctgacctatc tgcattgcac aagcgggatg ctcatggggt 300
 tcatcaggtg accatggttt gagggcaatg gatggagggg cctcgagttt tatactccca 360
 gaccaggtgg ataaggattt aaccggtgat cgatctccga tgattgaagg aggggttaggt 420
 gcgattcgga t 431

<210> 22841
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-029-Q1-K1-A3
 <400> 22841

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 ggcttccgac ccgtagacct gattgatccc cgcattgaat ccggcggatc gggagcggga 120
 gagaccactc ccaaattcgcg tcgcgtcgcg tcgagagcga gagcgggaaga ggtgcgcgcg 180
 ggggaaccga gccgactgat ggagccgacg ggggcgcccg ccgcctgcga gatcgcgcgc 240
 ctgccggatg acctctgtc ggcggcgctc ggccggacgg ggccgctgga cgctgcgcgc 300

gccgncgcgg tctcgccggc ctttcgcgcc gcggccgacg ccgacgccgt ctggtccag 359

<210> 22842

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A4

<400> 22842

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gacgacgacc gccgccgtca tctatgcct atgctcgtc ctctcctgtg ccgcggtga 120

cgacccgaac ctccccgact acgtcatcca gggccgctg tactgcgaca cctgccgcgc 180

cgggttcgtg accaacgtca ccgagtacat cgcgggcgcc aaggtgaggc tggagtgcaa 240

gcacttcggc accggcaagc tcgagcgcgc catcgacggg gtcaccgacg cgaccggcac 300

ctacacgata gagtcaagg acagccacga ggaggacatc tgccaggtgg tgctggtggc 360

cagcccgcgc aaggactgcg acgaggtcca ggcgctcagg gaccgcgccg gcgtcctgct 420

caccaggaac gttg 434

<210> 22843

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H10

<400> 22843

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cgtgcggggg ctcgggacgg gaacgggaca ggaccccaa atctcagatc cttcctgccc 120

gcccgcccgt gcccgtcgac gcgtcgttct tgccggccgc gcccacctc cgccctctcc 180

tctccaggg ggatcggata cgccacaggc tgccgatgg tgctgtgggt cttcggttac 240

ggctccctca tctggaacct cggcttcgac ttcgacgaca aaatcctcgg cttcatcaag 300

ggctacaagc gcacctttaa tctcgtttgc attgaccaca gaggcacacc ggagcattcg 360

gcgaggacct gcacg 375

<210> 22844
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-F6

<400> 22844

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 accaaagcgt atgttgacca attctcaaga tgcctctatg ttgagtacaa gagcaagggt 120
 attgatgtgc aatgccaggt gcccttatac gtggcgacaa agatggcatc catcaggaag 180
 tcttccttca tggteccatc tgctgacacc tatgctcgtg ctgccgttcg tcacattgga 240
 tacgagccta ggtgcacacc atactggcca cactctgtcg tgtggttctt gatctccatt 300
 ctccccgagt cccttatcga cagcgtgcgc ctgggcatgt gcattaagat ccgcaagaag 360
 gggctggcca aggacgcaa gaagaaggcg ctgtgattga tgtttcagaa tgcattgttca 420
 gattcgcaca tttntcatc acctgtagta gacacgtgcc ttgcttgagt cact 474

<210> 22845
 <211> 300
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-F7

<400> 22845

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 tgtgtagaac agattgagga cacatggaca tgacggagga ggcggcggca ggagcaggag 120
 gcttatcgtc atcatcgagg aagccggtga tgggtggtggg cattgacgac agcgaccaca 180
 gctactacgc gctgaactgg acgctgcagc acttcttcgt cgccgggcaa ccgcagcagt 240
 accagctggt ggtgctcacc gtcaagccct cggcatcgtc cgtcatcggc atcgccggcg 300

<210> 22846
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-F8

<400> 22846

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gccggcgacg acggaggcgg tgacgacggc aggaggcggc gggtcggtgt cgagccctac 180

gtcggggcggg tcgggcggta gcccagaccg cgcgcagctg cagccccggg tcgggggtgga 240

ggggcgggcg gtgggcaagc ccgcgcggcg gcggtcgcgc gcgtcccgcc gcgcgcccgt 300

cacgtctctc aacaccgaca ctttcaactt ccgcgccatg gtgcagcagt tcaccggcgt 360

cccgccccgg ccctacggcc ccggccccgg cggggcgggg gggcccggtca tcagcttcgg 420

cgccgagtac ggcggcgcg agctgggtgcg cccg 454

<210> 22847

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F9

<400> 22847

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tgaaaatgac atggttgatg ctatcggcaa gttcaacggc ctctattgtg gactgagcgc 120

actatctaaa acagtcgcag aggatactgt gctacgcaca acctgtggaa ctagcaatta 180

tgttgctgcc taggttataa acaataacgg ctctcatgta cctaacgctg atctgggtgga 240

atgtggactc attctctatg ccctgctggc ggggtacctc gcatttgaac attcgaacct 300

gatgctgctc tacaagaaga tcttcaaagc ggatctcagg tgcacgagct gactctccac 360

aagcgcagag aatatcatca cgaacatact tgaacctaat gctaacaata gaataactat 420

t 421

<210> 22848

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G1

<400> 22848

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 gtagccacgc ctgcggccgt ggacgcggcc acgctggcgg agatctgcag gggaaccgcg 120
 ttccccgaca tctgcaccag cacggtgggg agcagggcgc agagcgccgg ggtgttggac 180
 gccatggcgg tgttgccgat gcaggtggac gcgttcaaca agcgaccga ggcggcgagg 240
 gcgcacgtca aggaggccgc cgtgacggcg tccccaaag cgcggacggt gctggacctg 300
 tgcaacaacc tgtacctgga cgtggaggac aacctgggag cctgccgtcg ggccatcggc 360
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<210> 22849

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G10

<400> 22849

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 cggcggcgaa gatgactgcg ccgcgcggtg gcggagatga gccgccggcg ttttcggctg 180
 cggcgggtgca cgcttcgggg aacgagccaa tgacgccgac ttccgcgctc gagtcgggac 240
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<210> 22850

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G11

<400> 22850

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 ctctccgtgc tccctgacga ggtgctctgc gccgtcgtcg acatcctctc gcccgctgac 180
 atcggacgcc tcgcgtgctg cagcagtgtc atgtacatac tttgtaatga agaacctctc 240
 tggatgagca aatgtctttc aatcgggggt cctcttgaat acaaagtttc ctggaagaag 300

acggcactat gtaggcttgg tctatgttca gaaaataagg agatttggca gaagcctcgt 360
cagttcgatg gctttaattc tttgtatcta taccggagat ggtatagatg ttttactact 420
ttgaatagtt tttcgc 435

<210> 22851
<211> 383
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G12
<400> 22851

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tggaccagca gcagcagcac agcttcgagg cgtcgcgcac gccagccgg tggggcgact 120
cgttcggcaa cgacagcacg tcgcactccc agaccagcac ctctcatgg tgctcgcagc 180
ctccggacga gatggaggcg gagatgaagc ggctcgcggct ggagctgaag cagaccatgg 240
acatgtacag cacggcgtgc aaggaggcgc tgagcgcgaa gcagaaggcg ctggagctgc 300
agcgcctggaa gatggacgag gagcagcggg cgcaagagac gcggctgacg gaggagtcgg 360
ccatggcgct catcgagcag gag 383

<210> 22852
<211> 216
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G2
<400> 22852

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ggcttagtca tttgagcagt gttgaatgga atctgaccac agaaatatat ctgactagat 120
ataataacag ttgtagacat ggtacaaaac acacgaacca ctgttcccga ctgtttaaat 180
atcccaaata atacgaacca ctgggacactc gcgttt 216

<210> 22853
<211> 377
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G3

<400> 22853

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cagggggggac aggaaatcag cggccatggc ctcgattccg gcgacgacct tcgccgtcat 120
cttatccgtc ctcttctgtg ccgcgggtgg caccgtcgtc gacaacgacc tccccgacta 180
cgtcatccag ggccgcgtct actgcgacac ctgccgcgcc gggttcgtga ccaatgtcac 240
cgagtacatc gcgggcgcca aggtgaagct ggagtgaag cacttcggca ccggcaagct 300
cgagcgctcc atcgacgggg tgaccgacgc gaacggcacg tacacgatcc agtcaagga 360
cagccacgag gaggaca 377

<210> 22854

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-G5

<400> 22854

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ttgaccattg ttgatatttc agcaaattcg tttcctcaaa cattagattg gtttcacagc 120
tatcttcttc agtgcacga gcgaggtctt ttggctgcgt gtttagaaag ctgcaatcaa 180
ggtcaatgac actcttggat gtaacctgtc caaccacacc tcagtgggca ttatatgctg 240
gcaatggaca ctaagaatat cattgtaaag gattacgcat gagtctggat atcatctnca 300
accaagaccg atgtgaaaat accatcgtga tgttgtcaat accagccata agcgtgggtc 360
tgtctgattg gggttactcg cattaatatt gtactggatg gtattagagg ntatgccgca 420
tactcataat ctgaatanga taacaaa 447

<210> 22855

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G6

<400> 22855

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acgacgtgat cgagagcggc gctggcggcg gcgagttcgc tgccaaggac tacacggacc 120
ctcccccggc gccgctgacg gacgcggctg agctggggtc ctggtcgtcg taccgcgccg 180
tgatcgccga gttcatcgcc acgctgctgt tcctgtacat cacggtggcc accgtgatcg 240
ggtacaagca ccagacggac gcgtcggcgt cgggtgccga cgcggcgtgc ggccggcgtgg 300
gggtgctggg catcgcttgg gccttcggcg gcatgatctt cggcctcgtc tactgcaccg 360
tcggcatctc gggggggcac atcaacctcg ccggcacctt cggcctctcg ctggcgcgca 420
gggtctccct ggtgcgcgcg ctgctctaca 450

<210> 22856
<211> 467
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-G8
<400> 22856

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tctccggcgc ctctcaaac gtcctcctcc acgtggccgt ccattaccac acgacctatg 180
ggttcgccat ggttgagacc acgcaggggtg cgctggaggc tgaaatgaag gagatctttg 240
tcccctacag aggattcttc aaccggaatg gggtaaattg ggaagtatcc gaggtagtat 300
tggaagaagc agacgtgtcc aaagccattc taggttacat cactgcanac aagatccaga 360
gcattgcgct cggcgggagc aacagaaatg cgttcaccaa gaaattcaag aacgcggacg 420
tgccgtcgac cctgattgag tgcgcttcag actactgcaa catctac 467

<210> 22857
<211> 434
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G9
<400> 22857

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 tggcttcgaa atttgaatgc ctcatcttta ttcttctcat cttctctgtc tttctcatcc 120
 ctttccacat gtgtgactac tgactacatc acctaatct taggttgagg ttactccttt 180
 tagccctgcc tctcacaatg attgtgacta gagtgtcaaa tcttggaggc aagcacctta 240
 agaaccagc atattttgct ctcttgtgtg ttctctagaa acatttggtg gcagggtgtg 300
 tgtaaagtgg ggctgcatta cctggcacct gggcctgaga acatgatttt ccaagattgg 360
 tggagcaatg ccgaaggcca ggttttttaa gagaagagaa aaggttttta cacgttggtta 420
 atctctgtgg cttg 434

<210> 22858

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H1

<400> 22858

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 caggaggact atgacgacat tgtgaatggc tggaacgcga agctgaaacg gagctctgcc 240
 ggcgagcaga ggtggggggtt gttcattgcc accaagtgat ttggcctggc agcatgaggg 300
 ctcttcggaa taagaatgga tgtggctctt actctgctgc tagaccagtg atgggtcagc 360
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<210> 22859

<211> 283

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F5

<400> 22859

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 cggactcttg ggcagacgcg tgggcatcag ccaagtgtaa agagtgcgaa gaagcagtag 120

caaaaggatt ccattctcga gttcttggag tggtagatcg atcgagctgc gtgaaagata 180
gagagagaga gcttgctatg gttacagcag gtaaggtgat caagtgcaga gccagtgtgg 240
cataggacgc cggcaaaccg ctgtccatcg aggaggtcga ggt 283

<210> 22860
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-D8
<400> 22860

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agaacgaggg gcagggcagc cagcgccgct agctgaagca aggcagggca agagaatccg 120
tacgtcgagg tgcaggtcgt aggtaggatg gacgcggacc agcagggcgt ggttgcggcg 180
gcggtgaagc cggcgctggc caaggggacg ccgtcggcgt cgttccggct acgcaacggg 240
agcctgaacg cgggtgcgcct ggcacgagtg ttcgacctgt tcgaccgcaa cggggacggc 300
gagatcacccg tggactagct gtgcgaggcg ctggatgcgc tgggcctgga cgccgacc 358

<210> 22861
<211> 343
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-E1
<400> 22861

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ccgcggccgt ggcggcgggc agggccgatg acgccttcgc ccagcgcccg cgggggctcg 180
tgcaggtccg ggagcgggac cagggcccgc tgtcgacggg gcaccagcac ctgcaccacc 240
atcaccacca gctgcggcgg tcggggcggt tcccaccccg ccgtccggtg cgggggctgc 300
cgccttctca gcgctgcgaa agctaccttc acatcagggg gca 343

<210> 22862
<211> 433
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E11

<400> 22862

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gcggcggaag aggcgctggg ccggtggacc atcacggcgg cggcaagggg tcggaggccg 180

gcgctgccgc caccgatgcc gtgtccatgg acggcggcct ccgcgaggtg tctgtccccg 240

tcgtcttctc ggtttggtgc ctctcttccc tctcgcatc ccagtctctc cacagccagg 300

ccgacgacga cccttcgtca gagttctacg aggagcacgg catgcgcgac agctactgca 360

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actcgactc aca 433

<210> 22863

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E2

<400> 22863

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ggtggccggg ttctacaact cgacgccgaa gctcaagttc gtgtgccggc ggaacctggt 120

gctgagcatt aacatcgaca agagcagcga gcaggacctg cagctggcgg tggacagcgc 180

ggccaaggtc ctggcggcgg agaagctgga ggtggtggac tacagcagcc acgcggaggt 240

gtcgcgcgac ccgggccact acgtggtggt ctgggagctg aacgccgacg ccggcgacga 300

cgtgctgcag agctgctgcg acgagctgga ccgcgccttc gcggacccgg gctacgtcgg 360

gtcgcggagg gcgcgc 376

<210> 22864

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E3

<400> 22864

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aaaggtggtg gacttggcgg aggtggtggc cttggcagtg gaggtggtgc aggcgtaggc 120
ggtggtcttg gagggggtgc cggaggaggc ggcgacctg gaggtgggaa aggtggtggc 180
cttggtggag ggggtggcct cggctgcgcg cgcgtcctc tcttcggcgc tctcgtaccg 240
cctcgtcgcg tccaagccct actctttctt ccccacg 277

<210> 22865

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E4

<400> 22865

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ccgcgcctt cgcgctgga ctgcgtcgtg tctaccttc catgccggac tccgactaca 180
gcttctcaa gttgccacgt aatctcgagg aactccaaat cctcactggc catcttgaga 240
actatactag tgactacacc ctacaggtgt tggtaggtta ttgcgctgtg tacatcttca 300
tgcagacctt catgatccca ggggcaatat tcatgtcact gcttgctggg gctctatttg 360
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<210> 22866

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E5

<400> 22866

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gtaacagaat catcaattag caattcagtt gctgagaatt cttcaattaa tggcactcca 120
aggttagttt ctgcaatgaa aggaactcgt gcgaagaagg gaatcaaaac aaagctgagc 180
gtttcatggg cactgatgt atatgacca cctattactt cagactcgca cattgtgaaa 240

gggcaccgta agagttcaac taagggtaac tacaaataca agtgttccaa gagcagcagt 300
 agcagtaacc acagtaccac tggaagcaaa aaggacaaga agcattctag gcaccgtagc 360
 aacaatgagg gtggcaacaa aagg 384

<210> 22867
 <211> 379
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-E6
 <400> 22867

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 gatggaggac ttcttttcca ctcgctccggc gacccaaccg cgcgctcctc gctctcgttc 180
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 aggagtcctg gtttgggcaa cgttgacaat ctccatgaga gttcaagctt atctaggagc 300
 tgggatttga acagacagat tgatgatgac cgtgatgtac tcatagaatg tagagatgtc 360
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<210> 22868
 <211> 301
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-E7
 <400> 22868

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 tcggtgcttt ctccagcgat cccgcgcgcc cgcgtttcat ggcgtaagtc ctccagtctg 180
 atctaaaaga cccccaatct tatgctgctg tactgctgta attacatatt ggcgatatcg 240
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 a 301

<210> 22869

<211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-E8

 <400> 22869

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 gtccccctggc cctgctcgt cgtcttcctc gggcgctcgt ctccctccga acgcgcgcgg 180
 gccgccgacc tgcttggtct cctggaggag cgcgcccggc gggcaggcga cgcagtcag 240
 cggcggggtt aggaagaagg cgagcgaccg gtggatcccc gtccagccgt cccctgctcc 300
 tcttctcgg gtcgggcgt cgtcatccac tcttctcca gccctccatc tgatccccgt 360
 acgaccgtgc cctgctcgtc ttctggtgc tcgggtgctc cagtgcctgg cccctgctgc 420
 agtgctgctc ggacgcgtcg gcacct 446

<210> 22870
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-E9

 <400> 22870

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 tggttctgca agtgagcagc aagctagaga gcaacttcat ggttctgtaa gtaaacagca 180
 aactgaagtt cttcgctcca atgtcagcag tggcgatgcc tcaaaatgct attttggccc 240
 tatagttact cagaagctga aggaacattt tgaaaaagat ccatatcctt gccgtgcaac 300
 aaaagagggt ctggcacaag agctaggact gacatttaat cagatcagta agtggttctc 360
 tgccacccat cattattcaa gagatgctgt tgccaagaac caaaaatacc caggagaaaa 420
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<210> 22871
 <211> 436
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F10

<400> 22871

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agaaaaggag aaggagaagg agaaggagaa ggagaagcac gactgcggga cggacgtcga 180
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cctcaaggaa cagctcgagc tcgacaagga cgatgagagc ctgaggaggt ggaaggagca 300
gctccttggg caggtcgaca ccgagcagct aggagaaact gcggagccag aggtcacggt 360
gctggacctg acgatcctgt cgccgggcaa gccggacctg gtccttccca tcccgttcca 420
ggcggacgac aagggc 436

<210> 22872

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F11

<400> 22872

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gcgcctccgg caatggcaag acagacagca cgaaggctgt gcaggaggca tgggcatcgg 240
cgtgcggcgg cactgggaag cagacaatcc tcatacccaa gggtgacttc cttgtcggac 300
aactcaactt cacaggccct tgcaagggcg acgtgaccat ccaggtggat ggcaatctgc 360
tggcgaccac ggacctaacg cagtacaagg accatggtaa ttggatcgag attctacgtg 420
tggataacct ggtc 434

<210> 22873

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F12

<400> 22873

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agcacaagaa gaggggcccg tgccgggcga cgaaccctat cgacaagtgc tggcgctgcc 120
gcagagactg ggcgacggac cggcagcgcc tggcccgttg cgccagagga ttcgggcacg 180
cgaccaccgg cggcctcggc ggcaagatct acgtggtgac cgaccccacc gacctcgacg 240
tggtgaacct gcgccccggc acgtgctgct ggggcgtcat ccagcccggc ccgctgtgga 300
tcattcttcg gcggtccatg atcatccagc tctcgcaaga gctgctcatg agcagcgaca 360
agaccatcga cgggcgcggc gcgcaagtgc acatcgccaa cggcgccggg atcacggtgc 420
agctggcgca aaacg 435

<210> 22874

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F2

<400> 22874

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cgacgcaggg cggcaacagg tcgacgacga cgctggtcgc cgccgtggcc gtagttctgg 120
ccgtggcggc ggcgtcgtcc ctggccggcg tggcgctcgc ggagaaggcg ggcgggttcg 180
tggtgacggg gcgctgttac tgcgaccct gccgcgccgg gttcgagacg aacgtgtcca 240
ggagcgtggc cggcgcgacg gtggaggtgg tgtgccggca cttcggcgcg tccaaggaga 300
cgctcaaggc ggaggcgacg acggacgaca gcgggtggta caagctggag atcgaccagg 360
accaccagga ggagatctgc gaggtggtgc t 391

<210> 22875

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F3

<400> 22875

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cgatggttgt ggcgttggtg ttcttggtga gcggcgcatg gtgcggtcct cccaaagtcc 120
ccccaggcaa gaacatcacg gtcacctatg gcaaggactg gctggacgct aaagcgacat 180
ggatatggcaa gccgacgggt gccgggtccc acgataacgg tggcggctgc ggggtacaagg 240
acgtgaacaa gcccccttc aatagcatgg gcgcatgcgg caacatcccc atcttcaagg 300
atggtctggg ttgtgggtcc tgcttcgaga tcaagtgcga taagccctgt gagtgc 356

<210> 22876

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D7

<400> 22876

gtagcaaacc aatcaaaaag aattgctact tctgtgaatg atttctgggc actagtggag 60
cttttgaatg gcaacttccc agggactacc tttgtgagtc cccactg 107

<210> 22877

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-C11

<400> 22877

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aggcaacaac aatctgttcc ggccgcaaaa caaaacaaaa aaaaaaacac actgaaccca 120
ataatccgat cccacagaaa cttttctctc ggtccgttcg atcgatcgct gccgtgtcgt 180
ttgccagaca ccatcagcac caaaaacat ggcttgcaac ctgggtcagt gcgccaccgc 240
cgccgggcg accgtcgcgc cccgcacccc tcgccctgct gcgtccgcgt ccgtctcctt 300
ctccgcgagg aagccggcgg gcggcagcct ggggtgcag cggcaggcgt gctgcgagcc 360
gtcgggtggc cgtcgcggg cgggtgttcg ctgccgggccc gcggcgtcng ggagcgcggc 420
cgacctggcc 430

<210> 22878
 <211> 210
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C12

 <400> 22878

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 caactaaaca acaaattatt ccctctatca ttcaatccca cttatttatc atacttaacc 120
 caataatcca ttccacata aactcatctc tcagtcgaat ctaacgatct ctaccttttc 180
 aattaccata catcatcttt acccaaaacc 210

<210> 22879
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-C2

 <400> 22879

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 cgacgcacgc cgaggcagcc ccggtcagtt gctgctgtat ccgtccagga tcgngngaatt 120
 tccaggaggc angaaggaaa gttgagtgtc acatagctga gtaccacagg tgatagattg 180
 atggctggcg ctttggctga ggacaatgct ggggatggta gatcctcatc aactgaagag 240
 atgtcaagtg a 251

<210> 22880
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-C3

 <400> 22880

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 tgttactctg atcgattgtt ttctgaaata aaccagaagc ggtccgatcc tacgaagata 120
 cacaggctct gacattgggt gaagcccgtg tgtgcacgtt tcggatttcg caacatcgat 180

ttgagcttca acagttcttc gctagcttgt cggtagaggc ggcaatggct gaagttgagt 240
ctgtatcccg gtggataggg gacctccgcg accgttaccc tgagtcgagt tgtcacagtc 300
tgtatctatc gctcctgaaa cctgangggc ctgtattgtt tgtcaagcac ttttgtttct 360
tctcttctgg ttgtaggcta cta 383

<210> 22881
<211> 297
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-C4
<400> 22881

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gctcgtctag atgagagact gggaactccg ggattgggtt ggataagggtg ttctgggaat 120
ggggaaccaa tgcccaaacy ggacccttgg gagtgactac tacaaccgcg ccgcttccag 180
gttcgctgat ggttgccttg aggacgatcg ctactctgac ttgaagaagt ttgacaagcc 240
atggcctgag gtgaactcgt ttaagccac tgctgttggt attttgaaga ggggatt 297

<210> 22882
<211> 366
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-C5
<400> 22882

cccacgcgtc cggaataatt ttactaatca aattcttggt gggatatatt cctgcaattc 60
gcctcctcct cccaacaagg caacaacaat ctgttccggc cgccaaacaa aacaaaaaaa 120
aaaacacact gaaccaata atccgatccc acagaaactt ttctctcggt ccgttcgatc 180
gatcgtgcc gtgtcgtttg ccagacacca tcagcaccba aaaccatggc ctgcaacctg 240
gctcagtgcg ccaccgccgc cgcggcgacc gtcgcgcccc gcaccctcgc ccctgctgcg 300
tccgcgtccg tctccttctc cgcgaggaag cgggcgggcg gcagcctgcg gctgcagcgg 360
caagcg 366

<210> 22883
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C6

 <400> 22883

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 acgctcgtgc tggaggccgc ccctccggcg accgccatgg actgcaaggc cgggtgtgac 120
 gaggtcacgg gcccactcca catgagcatg gaggactgca tgaagaggca ctacaacaac 180
 atcgcgcgctg cagttgctcc ggctaatagca tgaccggccg gggggtggga gggggcttcc 240
 gaccgttgct ctggggctgg gccgatgaga catgatgaca cttcagtgcc aaccatgcat 300
 gataccgtgt ggtagattat gtgcaacgtg ttcatgctta ttttaattctg tgcttgagca 360

<210> 22884
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C7

 <400> 22884

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 tggctgggcg ctccgccgct gccgtcttcc cctctctccc tccgtaccac tcgtcttcgt 120
 ctagecctccc gcccgagcc accatggcac cgggcctcta caccgacatc ggcaagaaaa 180
 ccagagattt gctgtacaag gactacaaca cgcaccagaa gttctccctc accacctgct 240
 cgcccatgg catcgcaatc acagctgcag gaacaaggaa aaatgagtcc acctttggcg 300
 aatcttcaca ctcaaattaa gaacaataaa ttgacggctg atgtccaagc gaactcagaa 360
 tcagatcttt tgacaacaat cactgttgat gagattggta cctcagggct caaatc 416

<210> 22885
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C8

 <400> 22885

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 agctgactta gcagaaccct tctgtggttg gatgcagaac ccttctgtgg ttggatgctg 120
 gttgctgggtg ttgcgatctg ttgccacctt gtttattgtt atagtagtgg ccataaaatt 180
 agctgggttca tgtgtgtatt ccagtttcat agagaaagga catgttggtc gtagtagggc 240
 taatttgaca ttatggttac taattattct ttaaactatt tgagtacacg tgtgtttacaa 300
 ctgggacata taattacata ataacttata ttctaaatgt gtcttatatt gttataagaa 360
 aatggttcat aatccatttg gtatccttgc catacattaa atttggtttt taaatttagt 420
 tgtttcactt cct 433

<210> 22886
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-D10
 <400> 22886

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 tctctcgctg cgccgccgc ggttgccgc gccgtcgacg cggaggaccc gctgatccgg 120
 cagggtggtc ccggtggaga tgacaacgat ctggagctga acgcggagtc ccacttctg 180
 agcttcgtgc agcggttcgg caagtcctac aaggacgccg acgagcacgc gtaccggctg 240
 tccgttttca aggccaacct gcgccgcgcg cgccggcacc agctgctgga cccgtcggcg 300
 gagcacggcg tactaagtt ctccgacctc acgccggcag agttccgccg gacctacctc 360
 ggctccgca agtcccggcg cgctctctc agagaactcg gggagtcggc gcacgaggcg 420
 cccgtgctcc cc 432

<210> 22887
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-D11
 <400> 22887

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aaagggccgc aaagctcggg ataaagctag aatggaccga cgacggcgtg aagacggtca 120
 tgggccccat ccccgcggtg aagtgggacg agagccgagg acggaagatc tggttcaaca 180
 gcattgtcgc cgcctacatt ggggtggaagg acgcccggaa cgacccccacg aaggcgggtga 240
 ccttcggcga tggctcaccc ctgcctgctg acgtcatcga cgcgtgcggc caggctcctag 300
 aggaggagtc cgtggccgtg ccatggcagc acggcgacat cctccttate gacaattggg 360
 ccgtcctgca ctcccgccgc tcgttcgagc caccgcgtcg catcctcgcc tcgatctgta 420
 aatgatgtgt gtagat 436

<210> 22888

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D12

<400> 22888

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 tattttttccg gccggtgaag gatgatacca ggatggacgc gctgaagtgt aacaacaact 120
 gcgccccgcc ggaggagacc gcggaggacg ccgacgccgc cggggcgctc gtcgagaaag 180
 acgggttctc ggtcgaggac ttgttggacc tcgaggagt tggcgagcct gacaaggacg 240
 gcgccgagca tgaggacgac gacgccccgc cggtagccgc cgcggccgag gagagggtcga 300
 aagacgaact gcagccgttg tcggtcgtga cgtacgacct cccgtcgccg ccgccggaga 360
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 actcgtcttc tg 432

<210> 22889

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D2

<400> 22889

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 ggccggggagg agactctggg gcatggggga ggaggagaca tgacatgatg gcgtcatggc 120

gagcgagtga tgcgctcttt ccagtccttc tcttgcgctg tactagctga cttttattgt 180
tactgcccta attctcaagg cagtgtctgt taaccaaatac tcatgcatag ttatctgggc 240
attatgtaat taggagcttg catttagctg cacgtttatg ttcctaataa atatctagct 300
gcatgtgtgt cgagcggttg tgcggccaga acaacgctgc gttcggtgtg cggctaggga 360
gtggtcaccg ccatgcagt 379

<210> 22890
<211> 383
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-D3

<400> 22890
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gcttatgagg cacttcaggc cagagttgga gcggaggatc cgcgagcgag ctgaaagggg 120
gctgttggcg gcttctgcat aatgtgccag ccatgttgcc cctgtactag tttcctgac 180
tcttctacc gaaataatac aaactgatgg agctccttct tgtgtaagga aatgtagcct 240
tcttgatttc tttaaaccat catttatttg atgcactcaa gcagctgggtg aattttgatg 300
gactagataa actttccaaa gagaaacaaa ctcgaggggt gtaccgtgta tgctacataa 360
tattatngtg gatgtggatg tct 383

<210> 22891
<211> 414
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-D4

<400> 22891
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gacccccaac gttgccacca tctctgacgt ggagatcaag gagcacggtg gcgacgactt 120
ctcctttacg ctcaaggagg gtccgactgg cacttggacg cttgacacca agaccccgt 180
caagtacccc ctctgcatct gcttcgctgt caagtccggt ggctaccgca tcgccgacga 240

cgtcaccccc gccaatTTca aggcCGGcac cacTacaag accaccctca gcatctgatt 300
 agcctcttat gacgaatgat atttcaagag agtcacccg gcccatgtgc cagcgagcta 360
 atatttaatt gtgtttcttt ggatatattg agggaccaca cgagccaaga aaaa 414

<210> 22892
 <211> 383
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-D5
 <400> 22892

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 gtgctgagaa cagattgagg acacatggac atgacggagg aggcggcggc aggagcagga 120
 ggctcatcgt catcatcggg gaagccggtg atgggtgggtg gcatcgacga cagcgaccac 180
 agttactacg cgctgaactg gacgctgcag cacttcttcg tcgccgggca accgcagcag 240
 taccagctgg tgggtgtcac cgccaagccc ccggcatcgt ccgtcatcgg catcgccggc 300
 gtgggctccg tcgagctgct tgccaagggtg gagaccgacc tcaagcgctc cgtcggccgg 360
 gttatggaca aagccaaaga agc 383

<210> 22893
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-D6
 <400> 22893

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 gcagtcgcgtc gggctccgat cgagaacagg gaagcaagag gctgctagat cgagctcatc 120
 aaccaaccaa gtcgtacgtc gtcagcatca cgaccggatg gcgcgtgccg cgtccagcta 180
 tgtatccagg agggggctct ccgcagcgat gacgggtggcg gaggagtccg tgaagaaggt 240
 ggaggacaag gcggtgaagc tgggaactgt ggccaaggac atcgccagcg ccatggccac 300
 cacgacggag gagaagacgg cgttctggga acctgacccc gagaccggat actaccgtnc 360
 ggtcaccggc acgaaggatg tggacgccgt cgacctgcgc gccgagatgc tcaagcggag 420

gatgct

426

<210> 22894
<211> 233
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-C10

<400> 22894

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ggaaaaaaaaa aaaaaaaaaa aaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 120
aaaaatataa taatttttaa ttataaaaca tatggtattt taaaataaat aaaaataata 180
caatttatta tatcaaatat tacataaaat aagctataag aaaaacttaa aat 233

<210> 22895
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A3

<400> 22895

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gacaagagga aacaactgag ggtcccttgg aaatgcaaat agctcttcca tcgatgcctt 120
cattgtacat catatccttt ctttatcaag catgtttgga gattcataag gttggagggc 180
acatcctgga caggattatt ttgcataatt ttgcttgga gctactgcag aaggtcatca 240
atatttatga aaattttctt tcatctgttg aatctgggaa ttctccggtt tcagagaaaag 300
gaattctgca aatact 316

<210> 22896
<211> 163
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A6

<400> 22896

aaaaaaaaa aaaaaaaaaa aaaataaaat tttaaaaaaa aaaaaaaaaa aaaaagaaaa 60

aggggaaata aaaaaataa aaaaaaaaaa gggcggatgt tttgggggtc ctttttttgg 120
 ttccacgttt atgcaacttt ttttctattt ttttgtgtct cct 163

<210> 22897

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A7

<400> 22897

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 cctgacgtcc atgctccaag ccggcaagcg gatgctgatg agcggcggcg gcgacctggc 120
 catgtcgttc accgtgtctc tcgcgccact gccgatggcc aggttctcgc acatcgtaga 180
 gcgggaggcc acctcgtgct cgggggttcga catccgcttc caccgcctac ctgacgtgga 240
 gctccccgcc ttctccggcc cggaggacat gatctccagt ttcattccagc tgcaggcgtg 300
 caacacctaa gcgggcattg tcggcctggt aagccccgtc gccggcgacg ttatggacta 360
 cttttgcacc acgctgttcg acgtc 385

<210> 22898

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B10

<400> 22898

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 ctagatetta accaccgtga tcgcgctcga cacctacata tccatcatca ctgacaaacta 120
 cttatacctc accactaca ccaacttctt cacgaacgat ttatgattga attacatcaa 180
 ctagaacgac cagttaactt atgcatagc tatacctaca aaccatcatc atcatcaagg 240
 cgctcatctt caca 255

<210> 22899

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B11

<400> 22899

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaagggggac ccttttaaag ggaaaaaatt ttgaaccgcc 240
gaat 244

<210> 22900

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B12

<400> 22900

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cgccctgctg cggccaggcc ttcggctgcc gccattgcca caacgacgcc aagaactcgc 180
tggaggtcga cccgcgcgac cggcacgaga tccccgccca cgaaataaag aaggtgatct 240
gttctctctg ctccaaagaa caggacgtgc aacagaactg ctccagctgt ggggcctgca 300
tgggcaagta cttctgtaaa gtatgcaagt tcttcgatga tgatgtctca aagggccagt 360
accactgtga cggatgtgga atatgtagaa ctgccggcgt ggagaacttt ttccactgtg 420
ataaatgtgg gtg 433

<210> 22901

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B2

<400> 22901

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tgaggcgcgga gatcaaacaa cggatgcact ggccgcctac gtcaacgcgt tctcgaccga 180
gcttgagcat gtgccgtcca aggtggccat cggcgcaatg ctctccaagc aagggtcccag 240
gtttctacct gcagcgaggt gcttcctctc ggacgccctt agagtcgagc ccacaaaccg 300
gatggctcgg ctctacctag gacaagtgca caggctctga tgggaggatc tctgacgctg 360
ccgactgctt tca 373

<210> 22902

<211> 249

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B4

<400> 22902

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gcgcggcggt gaccgccgca gttggagggg cggagcccga tggggcagcg gcacgcctct 120
gcaacagcct gcgggggtctc ggctcaaggg cggtcgggtgc acgtgcgggg tcaggtgaag 180
caccagccca cgccagcgac cgccaggacg gcccgcggcg acgcccctgg acagcccggg 240
ctcggagtc 249

<210> 22903

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-B6

<400> 22903

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ctttgtggcg acgaagcaga ggcttggtgt ggatgggcat gagctggcaa gaaacaactc 120
cccagtcaag gattatgggc tggccgaggg aaatgttctg catcttgta ttcgactatc 180
agatctacgt gtgattaaca ttgagactgc aactggaagg aagtttcagt ttcaggggtg 240
accagagccg caatgttaag tttctcaaga ataagcttga agcagagggg gatgaggata 300
ttggtaatct tgaggatcac aagcttgaat atgatggtga ggagcttgag gacaaccagc 360

tgatagctga tattagcaag aaggatgatg ctgtgattca tttattttatt cgganaccag 420
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<210> 22904
 <211> 471
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-B7
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 actgccaagg tcccatgcac cggcgtcacc atggatgacg tcaacgtcga gtatagcggc 120
 accaacaaca agaccatggc tatatgcacg aacgccaagg gcagcaccaa gggttgcctc 180
 aaggagcttg catgcttcta gaccctccat cgactgaccc atctctctag ttataatttt 240
 tctctcgtcc ttgcattgcc cattagatgc tatccattgg taacgcacaa cagtaaaacg 300
 acagacatcc gacagctata ttatgttcga cgggtgaaca ccctgaattt gaggggtataa 360
 aattttcttct ccaaatacca accaaattca ggggttacct cttgtctctc tctctctttt 420
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<210> 22905
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-B8
 <400> 22905

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 aagaagcatg acgatecccta tgttcctatc cctgctcatg tttataattt tggacctagc 180
 cggttcccag cccaacccc tgtcatctcc actggcagag ctcagccaat tgcagtaccg 240
 gccattcatc tggaagagct gaaagaaatt acaaaaaaac tcagcagtga tgccttcatt 300
 ggcgagggct cgtatgccag agtctatttt ggtgtgctga aagatgggac gaaatctgca 360

gtgaagaagc ttgactccag caaacaggct gatcaagaa

399

<210> 22906

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B9

<400> 22906

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cgagatcttc gccaccggca tcgtgctcgg cacctacatg gccatcatca ccgccgtctt 120

cttctacctc gcccacgaca ccgacttctt cacggacgtg ttcggcgtga attcgatcaa 180

ggagaacgac agggagctga tggcggcgct gtacctcaa gtaagcatca tcagccaggc 240

gtcatcttc gtgacgcggt cccggagctg gtcgttcgtg gagcggccgg gcttcctcct 300

gctcttcgcc ttcttcgccg ctgagctggg ggcgacgtgc atcgcggtgt acgccgactg 360

ggacttctgc cgcattccagg ggatcggtg ggcgtggggc ggcgccatct ggatgttcag 420

catogtcacc tacatccc 438

<210> 22907

<211> 308

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-C1

<400> 22907

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aacgtgcctt cgatgatggt ggcgtgagat acgcttgcaa ctctaccag gtggctgcga 180

ctaggggctg ggcttcggga ggcggcgact ccagctccat cctcacgacg actgttgggg 240

gccttcattt ttgaagggtc cttaataaca cggctaacca tctgttttca gcatattatg 300

aagtatta 308

<210> 22908

<211> 319

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-A2

 <400> 22908

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 ccggcgcgcg cgtgcgtgcg acgatgtcgt cggcgggtga ggccgtctcc tgccccaagg 180
 togacgtccc cgccggcccc gagccggggg agccggccaa ggaagcggcg ccgtccgcgg 240
 agcactgcga cacggcgccc aacggcaagt gcgcgccgcg ttgccacggg gaggaggagg 300
 acgacgacga cgaggagga 319

<210> 22909
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G7

 <400> 22909

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 gtgatggctg ttcaggttca ccgccaccgt aacaaggctc gcaatggcca agctatcagg 180
 tgtgcaatgg caactggaaa agagcagggg gcaatttcca ctgccagtag cggatgatcaa 240
 accaagggcg gtttgcgtgg aaaattaaac aaagtgtgtt tagcttatag tgggtggttg 300
 gatacatccg ttattgttcc atggctcacg gagaactatg gttgtgaagt cgtttgtttc 360
 actgctgatg ttggccatgg tgccattgaa ttggaagggt tggagaagaa ggcaaaaagcc 420
 agtgggtgat gtcagc 436

<210> 22910
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G8

 <400> 22910

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cgagtctgcg gccagccagc aagcagtgcg agtacaggca tggcggctgc cggcggacgc 120
gcggttgcgg tggcagccat ggtggcgggtg gtggcggcgg cggtcttgcc tctgctcgcg 180
tgtggcgggtt acgcggagtgc ctacgactac tgcttcaagg actgcatctc caaggacaag 240
tccatgagag actactgcag ctacgcctgc gacaagacct gcgcgccccg cggccggcag 300
cggcgccccg cggtcgttcc catgaact 328

<210> 22911

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G9

<400> 22911

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tcacggggac agatacaaca cggatggcat gcacatggac cactaaccga acatcaccat 120
caaccacacc ttcattgacg tagacaacga ctgcatctgc atctgtgccg actcctccaa 180
tgtgaacaac accggcatga cctaaaaccc tggccaccgc atctgcatcg acaacctatg 240
tcagtacaca gacaagatcg acg 263

<210> 22912

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H1

<400> 22912

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cagcgggtcc ccggggcccg gcgcgggcga cctgcggggc ttccacacgc agatgacctg 120
gcgcggggagc agctccgcga cggctttgtg gaacaccgcc ttgtcctgcg ggatcagcag 180
gtgctcgcgc agcctctcca ccaggaacct gccgaactcg ggcgggtcct cgtgccccga 240
ctcgggtgcgc acctccagga cgaccacctc ggactcggtc tcgcccagga accttgccac 300
gtcgtccagc accacgtcga cggggtagct ggccaggacg cctgggcata cgcggcgccc 360

cttctggacg cgcacgtcga ggacgcgcgc gccacgcgc agctgctcgt acacggacag 420
cgactggcac tgcgcgaagg ggcgggtcac gaa 453

<210> 22913
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H10

<400> 22913

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aagatcaggt tgatgtcgta ggcgagaagg cctcattga gataaaaaag cagtacaaag 120
tgattgatgc aaagtttatc tctaagatcc caatgttgtc tgagaagaaa caacactgag 180
agaggggtgct ccaaaggctc aattcagcac attaccaata tatgaaagta gttcctttgg 240
ctctgctata tcatcattta gcaaccttta agatgatacc atagatatta tatggattcc 300
taaggttgga aatttgtgtc ttccgagtcc cctagaatag ttgcttcttc ctgtctgaca 360
gtgaatttga ttctggatgg atgtgacata tatatgcctg accaattgtc attatttgct 420
attcatatat gttactgcgt gtatttaata gct 453

<210> 22914
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H11

<400> 22914

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agatcaagtt gatgtcgtag gcgagaaggc cctcattgag ataaaaaagc agtacaaagt 120
gattgatgca aagtttatct ctaagatccc aatgttgtct gagaagaaac aacactgaga 180
gaggggtgctc caaaggctca attcagcaca ttaccaatat atgaaagtag ttcctttggc 240
tttgctatat catcatttag caacctttaa gatgatacca tagatattat atggattcct 300
aaggttggaa atttgtgtct tccgagtccc ctagaatagt tgcttcttcc tgtctgacag 360
tgaatttgat tttgtatgga tgtgacatat atatgcctga ccaattgtca ttatttgcta 420

ttcatatatg gtactgggtg tatttaatatag c

451

<210> 22915
<211> 375
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-H2

<400> 22915

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tggactgttt ccctgtccta cagatgcaca aggactgcgt gagagatgtc gcgtgggccc 180
catacctggg cttacaaaag tccaccatcg ccagcgctc tcaggacaga acggctcgta 240
tctggacagc atcatgagaa ggcgagcagt gggactgcc gatgctgtat gatttcagaa 300
cccccgtttg gaggttgctc tgggtcaactga ctgggaacat actggcggtt ttcgacagca 360
tcaactatgt taccc 375

<210> 22916
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H3

<400> 22916

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atgcttctca tcacgctcgt gctggaggcc gcccttcgg cgaccgcat ggactgcaag 120
gccgggtgtg acgaggtcac gggcccaactc cacatgagca tggaggactg catgaagagg 180
tgcaaggaga tcgctgctaa gcaggggcct agggaccctt acaaggataa caaacttgac 240
atcccatgaa ctaattaatg ctccatatatc atctgcctat ccatgcatgc attgcattgc 300
gtatgcacac tgtgcgtgcc tgcccacaaa gttcgacaac acaccgatct cgacggattt 360
gtaatcgtgt cactcgatc gagagatcga tcgatgcttg gtattatatt tggatttcac 420
atta 424

<210> 22917
 <211> 485
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-H5

 <400> 22917

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 ccaactacca cttctagccg ggagtcttcg tcagctccat catattcatt gcctgctgaa 180
 gctgaagaaa ttcctaacca gattcaagag aagagaccag ttgataacta tcggaaaggc 240
 actgaaaatt ttacctcaa cccctccgcg gagcctgata gaaattcctt cagtatgggt 300
 ccaaattatt ctaataaagg gagagaagac aatgggtgcag catctggtaa tgatagggag 360
 aggtatgatt tgaagtccac ccaaactgct tacactagta aggcacagtt ggttcagaat 420
 tcaacatata cacaggagga gaaagtcaca aaagtctcac ctntctggag aaaggcttat 480
 aaaga 485

<210> 22918
 <211> 72
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-H6

 <400> 22918

aaaaaaagaa taaaatacaa caacaagcaa aatgtgaaca cacactaaat accaaagaga 60
 aacgctaata ag 72

<210> 22919
 <211> 481
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-H7

 <400> 22919

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aagggcgatc gcattagcga tagctcaagt cctgatggcg atcgggcact tcaacttcgc 120
gatggcttgg cccgggacaa tgtacatcgg cacgctgctc gtcggagtag gctacggcgc 180
gcactggggc atcgtgccag ccgcagcctc ggagctgttc ggggtgaaga acttcggagc 240
gctgtacaac ttcctcacgg tcgcgaaccc agcaggctcc ctggtcttct cgggggtcat 300
cgcgagtggc atctacgaca gtgaagcagc gaagcaggct cagcagcgcc acaactccac 360
gtcgctggcg atgagtggca gagggtgg catggtctct ggagccgctc cgtcgttgaa 420
gtgcgagggc gccgtctgct tcttcctctc atcgctgac atgtccgggt tctgcatcat 480
c 481

<210> 22920
<211> 401
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-H8
<400> 22920

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cggcgcggtc tcgccgtgga gcgtgctagg cggggcggcg gctgtgctgt tccgttggtt 120
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ggcgcagggc ctgaggggca cccggtaccg cctcctctgc ggcgatctca tcgaggagca 240
gcgtctccgc gcggcgcccc tggcaaggcc cgtccccgtg gatcgaccac acgacttct 300
ccctcgctc gcgcctttcc ttcaccgct cctncaagag cacgggcagc tctcgtttac 360
atgggttggg ccgaccccaa agagtcta at caccgatccc g 401

<210> 22921
<211> 422
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-H9
<400> 22921

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gcgctggcag gccgccgcc ggctggacgc cgtcacgcgg agggagatgg ctccgcacga 120
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acatgacaaa atgggggtggt ggatgcacaa gtttgcgagc gcggacagag acggggacgg 240
ctcgtcaaac gccgtcgaat tcaacgactt cctgcctcct gaagacagca gccaagagag 300
cgtgatgctg tggctactca aggacaagct aagcgagatg gaccacgacg gagacggcag 360
gctaagccag gaggagttcg tcgccaatc tcacatcatc atctccggcg cgcgtcacgc 420
cg 422

<210> 22922
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A1

<400> 22922

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aagacctctc ttaaggaatt tgtggatgat gaagcagcca ttagcttttt actcaaagag 180
gtgaacaatg ctgcccata gagatgtctt gacccaatcc ctcttgagcc ccccatatta 240
gataagctca taaatgcaaa actagcaaaa attaaagaga gaaacccaaa tatgcggtag 300
ctatgcacag attggtgtct gttactagaa ttcaggtctg tccatttgaa tgcac 355

<210> 22923
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A10

<400> 22923

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catgcttctg tcggcctaca aggagatggt ccgtcagctg tcctacttgg ttgaagcttc 120
ccattctatg cgccgttttt ctaaagcggc tccaaattgc cccatcacac agttttctga 180
ccgccaagat aatttgaatg attcagggga tgggtggagga gccccagtat tcaaatgggt 240

ctctgtatta gaatttgaga gtcttgccca ggagcttggt cagatgtttg tttcagagca 300
aaagttgaag aggctgctac tcttggaatt tctctcgatt gctttaagg aaggtgtaga 360
actccagaca tcattaaatt ggggtgatga actatatgat ggtgaatcaa ataaacttca 420
gagtattg 428

<210> 22924
<211> 303
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-A11
<400> 22924

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caacaataat ttgtaagcta aattcaagca ttttatttta tatttcaata aagaaaggga 120
gaaaagctac ctctgatca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa agaaaaaaaa aaaaaaaaaa agacaaaaaa aaaacaaaaa 240
aataatctga ctaagaaaaa aaaaagaaaa aagaagaac ttggtgagcc ttaatcttta 300
ggg 303

<210> 22925
<211> 243
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-A12
<400> 22925

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gaaaaaaaaa aaaaaaata taaaaaaaaa aaaaaaaaaa aaataggaaa tacggtggga 120
tggttttaag gttctgctg ataaaattcg gtgcactggc tttagaattc tattatgggtg 180
actggaaaaa ctgtggattt gcctaaatta ttgggcttgg aaaattgtta aatTTTTGCA 240
gtt 243

<210> 22926
<211> 308
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G6

<400> 22926

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agctatataat gtagtttggg taccttttta atttgtggca gagatggcga atttagtttag 180

gtatatacgt ttgctttttg caactttgca ttgctatatg gcaaattttg aagcatgttt 240

atctgttgta ctagctgaaa atgaattcgt tctgtgctaa caatgtattc aataaatatc 300

tcgattttt 308

<210> 22927

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F11

<400> 22927

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tgatttagtg aagtaccttc tgatggtaag gcaaaaggca cggaaccca aagtcgatgg 120

agaactcatc tttgcatatg caaagattga caggctcagt gacattgagg aattcattct 180

tatgccgaat gttgccaacc ttcaaaatgt tggtgaccgt ctttttgagg aagaactata 240

tgaagctgca aagatcatct atgctttcat ctcaaactgg gctaagctgg ctgttaccct 300

ggttaagctg aagcagttcc aaagtgtgt ggatgctgct cgcaaggcta acagtgctaa 360

aacat 365

<210> 22928

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F12

<400> 22928

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 ctgaacgtgt gctacgatgc agtgaccatt gctgtgtaca tctcccaggg caagctgcct 240
 agtgttcaac accggaatgc ttgagttacg cctgtgcctt ggcaattgca ctgtgaccat 300
 gcgcagactg atacataagc tctacggcgc gacatccact ctgtacttcg acgagacgca 360
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<210> 22929

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F3

<400> 22929

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 ctttaaggtgt cattactatg tgtacccttg tactgcctga ctaaatcggg atgttttaca 180
 ttacacttac tgcagctttc gtgatagcaa agaggccctg ttccaatcgc acttcccaac 240
 atatgcacag gctgaacggc 260

<210> 22930

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F4

<400> 22930

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 accatgaggg agatcctgca catccagggc gggcagtgcg ggaaccagat cggtgccaag 180
 ttctgggagg tgatctgcga cgagcacggc atcgaccaca cgggcaagta cgccggcgac 240
 tccgacctcc agctcgagcg catcaacgtc tactacaatg aggcgggcgg gggccggttc 300
 gtcccgcgcg ccgtgctcat ggacctcgag cccggcacca tggactccgt gcgctccggc 360

ccctacggcc agatcttccg ccccgacaac ttcgtcttcg gccagtcgg cgccggcaac 420
aactgggcca agggccacta caccgagggc gccgagctca tcgactccgt gcttgacgtc 480
g 481

<210> 22931
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F5

<400> 22931

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tccttcccaa ctgcgtggtg atggacttcg tgaacaacgg ggaggtgtcc gggatcacgc 180
tgctcaactc caagttcttc cacatgaaca tgtacaagtg caaggacatg ctgatcaagg 240
acgtcaatgt gacggcgccc ggtgacagcc ccaacacgga ctgcatccac atgggcgact 300
cgtcggg 307

<210> 22932
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F6

<400> 22932

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gccatgcaga ttagcgccag ccggctggat catgaccttc tggctctaga catactactg 120
caagatactg cccaactcgc tggatgatgag acgttcgaga acaacggaga tgtgtcacga 180
gataactctg atcaacttca agctcatgca catgaacatg tacgatgacg aggacatgct 240
gatcaacgac gttaatgaga cgactcacga tgacatgaac gatactgacg acattcacat 300
aggcgactag gctggtgtca cgatcacc 328

<210> 22933
<211> 475
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F8

<400> 22933

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cacatcagcc atgggcgcct ggcgaaccaa gccaagacg cttgaggggc aggccccagc 120

tgaggccgcc gtctccacac ccaaggttgc gcccgaggcc actccaatct ccgttgaggt 180

tgcggtgat gaacaggtag ctgagaaggt ggtggtggag gagccggctg cggcgccga 240

cgttgagcat cagaaggcta atgaggtgct cgctccagag gcggccgtcg ccgagccga 300

ccacaaggag gaggaagccg tggagaagac cgtcgtcgag gaggagaagc cagcggcagc 360

agcccatgca gaggaaaagg tcgccaccgc cgccgagacc acgacgactg tggaggcgaa 420

gaagaacgcc gaggaggccg ggatggagaa gctggcgag caaagctgat cgact 475

<210> 22934

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F9

<400> 22934

cccacgcgtc cgaaaaaaaa aaaaaaaaaa atacataaag acctacaact aacaacgata 60

aggaggagct aaactcgact aacctcgaca taaaccttat cgtccgtccc taccatgaat 120

gaaatcctgc acatccatgg cggtcagtgc gggatccaga tcagggccaa gttatggcaa 180

gtgatctgcc acgagcatcc aaattgacca cacgggcaaa cacggcggtg actccgacct 240

acagctcggg cgcataaaca tctactacaa tgaggcctac tggcgagaa gccttccgcg 300

cgccgcgctc atagaactcg agcactgcaa catgcacttg gtacgctccc tacactacg 359

<210> 22935

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G1

<400> 22935

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agagcgtcga tgataacctg gctaatttgg gaatcaatcc aattccaacc caaaggcacc 120
gagcgtgatc tccgtacgtg ccgtcatggc ctgcgaccgg gcgctgctgc tgctgctcct 180
cgccgtcgcg ctcgtcgctg cgctggccgc tgtcgcatcc gccgacgacg ccaacgccaa 240
gcccaccatc ctgacccccg tggcgcatat cccgctgggg tccttcgacg gcgacaagcc 300
ggcctctgac gacgacgccg tcgacgacga ctaggacgcc gtcctgtcg gcgcgcccaa 360
cggtgccacc atgact 376

<210> 22936
<211> 64
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-G10
<400> 22936

tgcaatgcga gccttggtcc ttgtatcgct cttgtgcacc gagcatttcg agaaggccat 60
gtca 64

<210> 22937
<211> 440
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-G11
<400> 22937

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atgggcggag cgggtaacct ataaccaaag aggaggccat gaaagaacta attgaagtcg 120
tcacgaagac aaagccggac aacttcacta ctgcgatagt agagaaaaaa gatgattata 180
tccgagttga atatgagagt cctatatattg ggtttgtaga tgatgtggag ttctggctcc 240
cttctggcaa caagaccatg gttcagtatc ggtcggcgtc tcgatcagga tttatcgata 300
tcaatgcaa caagaagaga gtaaaggagc tgagattggc tttggaaaag aacggctggg 360
cttcaaaaag caacttctga attgaagtga gaagtgtgga agacgtgcaa gtgcatgcta 420
cttagacgag ccagcacaac 440

<210> 22938
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G2

 <400> 22938

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 cgccggcggg ttctccatgg catagcgcac gtcggcctgc gccgcgaggt ggagcacgtg 120
 ggtgaagggc acgacgtcga agagcttggc caggaggcgg ccgtcgttga tgtcgccctc 180
 cacgacgaaa ctcgtcgtgg ctgcccagca gcgcgcgctg cgccttcttg agcgaggggt 240
 cgtagtagga gttgaagctg tcgatgccga cgacgccgac tcccggatct ggcgtccca 300
 gtgcaaccgc cccaggagc cccggatctg tcgcgcccg tgctggatcat gtccactcc 360
 agcaaccgcc tctaccagtc gcccgcgac cccgtgctcg tcatgtccc ctcagcaac 420
 cggctggacc agtcc 435

<210> 22939
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-G3

 <400> 22939

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 gcccggggac agccccaaca cggatggcat ccacatgggc gactcatccg ggatcaccat 120
 caccaacacc gtcattggcg tcggcgacga ctgcatctcc atcgggcccc ggacctcaa 180
 ggtgaacatc accggcgtga cctgtggccc tggccacggc atcagcatcg gcagcctagg 240
 gcggtacaag gacgagaagg acgtcacgga catcaacgtc aaggattgca ctcttaagaa 300
 gacgatgttc ggcgtccgca tcaaggcgta cgaggacgcc gtctncgtgc tcaccgtctn 360
 caagatccac tacgagaata tcaagatgga ggactcagcc aaccccatct tcatcgacat 420
 gaagtacttg cccaacaa 438

<210> 22940
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-G4

<400> 22940

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 tgatttagtg aagtaccttc tgatgggtaa ggcaaaaggc acggtaaccc aaagtcgatg 120
 gagaactcat ctttgcatac gcaaagattg acaggctcag tgacattgag gaattcattc 180
 ttatgccgaa tgttgccaac cttcaaaatg ttggtgaccg tctttttgag gaagaactat 240
 atgaagctgc aaagatcatc tatgctttca tctcaaactg ngctaagctg gctgttacct 300
 tggttaagct gaagcagttc caagggtgctg tggatgctgc tcgcaaggct aacagtgccta 360
 aaacatggaa ggaggtttgc tttgctttgt gtgacgctga nngagtcctg cttgcacaaa 420
 tatgtggtct caatatta 438

<210> 22941
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G5

<400> 22941

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 agccgcagca tggcatcatc ggccgcgctc ttggtgctag ccctcgcgct agtggcggcc 120
 accgccccac aggtagcggg ggcaaagaag aagagagcgg cggagagcgg cgaggcggcg 180
 gaggcgaaga agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg 240
 gacctggtcg tgtgcaagga gtctcgcgcg ctctcccagc agtccaacct ggtgctgtac 300
 ggcaggatcc agttgcaggg c 321

<210> 22942
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F10

<400> 22942

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tcgtggagta gaggaactgt tcagctcgag cgagtatacg attgtaaact cgtgttaagt 120
tactgaagcg attcgataat tggacttttag gatcatcatg catgtatctt tagtgcata 180
gagcatagga ttccagcaaa ttcaaatttc ttgcagctgc acctcacttt taactccaaa 240
ggtgtgctct gtgttgcttt gaagtcactt gtaacttctt catatcgttt gtccctaagc 300
agactgtcaa agtgctcaaa aaaagtttta ttcaatggat gcatccaagt tctaagagaa 360
gatcatggag taacttgggtg gcaagattta aaa 393

<210> 22943

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D4

<400> 22943

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ggagcccacg gatggagagc tgggtggtctg cctactacgc cagcgtcttc aacttctaac 120
caaaatccac acaatccaac agctttatat gtaaagcgaa ggcccacgct cacagtcgtc 180
ggcccaactg atgcccgtgc gccgcgcgct gggccgcacg gcccaagagc taccaagcgc 240
gggcacgcac cgcggcagcc caaggatctc tccaccttat ctccctgctc gggactcggg 300
acctttacct atcttcttcg gtcttccatg ggagcgagct agagagaagg cgccatggat 360
caacagcttc tcgtggatga ctccaatcat attaacgata tactaactta taatgtgcca 420
aaaaaaaaa aanaagttta taatt 445

<210> 22944

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D5

<400> 22944

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gtaatggagt cgtcacgcag gttccagccg gccgtcatcc tgcttctcct gctcattgtg 120

tccaccgata tggcacaggc aaggggaatgc gagaagtaca gtgagcgatt tggtggggca 180

tgcattgatc cagacaactg cgccaatgtg tgccgcggtg agggcttctt ggccggcagg 240

tgcagcacct tccgccgccc ctgcatctgc actaggcagt gctaaacaag atcgctcgat 300

cgctcgccat gcatcgacaa cctattctta ataacgttca ttatctcgtt cttatntatg 360

acgaatgtca tgtatgttct ggtgactgtc atgtatattc tgatgactgt catgtatctt 420

ggtcatgtat gctcaagggt cattatcttg gtcattgtatt aaagatggta tgaataactc 480

aata 484

<210> 22945

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D6

<400> 22945

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ggaatggagt cgtcacgcag gttccagccg gacgtcatcc tgcttctcct gctcattgtg 120

tccaccgata tggcacacgc aaggggaatgc gagaagtaca ctgagcgatg tggtggggca 180

tgcattgatc cagactactg ctctatgtg cgcacgggtg aaggcttctt gagccgcacg 240

tgcagcaccg ttccgccccc atgcatctgc actaagcagt gcttaacaag atcgctcgat 300

cgctcgcatc gcatcgacta cctagttatc ataaccgtca ttatctccct cttattcatg 360

actaatggca tgtatgttc 379

<210> 22946

<211> 235

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D7

<400> 22946

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caccagctac ctaggctggc aggaggggca gcgcgctcgg gctctgatcg tggaccgga 120
gctcgaccgg tgcaagcagc acgacatgat ccgggtgacg tagaaacttt agctgtcgac 180
ggcttatcaa gctcttcacg ggctataact ggggtggcgt gacgcggcac ttata 235

<210> 22947
<211> 396
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-D8
<400> 22947

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gtcaaggacg tcaccttcaa gaacatcacc ggcacctcct ccaccccgga ggccgtcaac 120
ctgctctgct ctgccaagat cccatgcacc ggcgtcacca tggacgacgt caacatcaag 180
tacagtggca ccaacaacaa gaccatggcc gtatgcaaga acgctaaggg cagcgccaag 240
ggttgcctca aggagctcgc atgcttctag aaccaccatc gacccatctc tctagttata 300
caatgtgtnt ggttgggtgga tgctgagaga tnggtttctca gctcagatgc aagctgcgcc 360
tagcctgtgt aggtttgtgc tggatcatng agagct 396

<210> 22948
<211> 282
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-D9
<400> 22948

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ggcctccctc tccggnctct atcgaccgac caacgcgcgc agcgaagatg tcgtggcaga 120
cgtacgtgga cgagcacctg atgtgcgaga tcgatggcca ccacctcacg tcggcggcca 180
tcgtcggcca cgacggcgcc acctgggctc aaagcaccgc gttccccgag ttcaagcccg 240
aggagatggc tgccatcatg aaggatttcg acgagccggg gc 282

<210> 22949
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E10

 <400> 22949

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 cgatggcgac tcctcgcgct gccgctcgcg ctcttactcg ttgccggggtc ggcgcgatggc 120
 ctctgtaagc cggaggcagc cgcggcgccc aagccccccg tccccaaggc catatcggac 180
 ctgagggagc cgatcgtgaa ggggctggga ttccaggccg aggggctcaa ggtgtccggg 240
 ttcgacgtgc gagacgcgct cgtggggcac gcggtggcgt acgagttcga catcgaggtc 300
 ggcaggaagg tcctaccggt gcgcctgctg gaggacgtca gccggtggga ctctcgtcgac 360
 ctccccatct tccgttccca ggccgacgct gacgatacgg cgctcgcgga gatccggcgg 420
 gccgggaggg ggagcatcgt tgagcctacc 450

<210> 22950
 <211> 375
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E11

 <400> 22950

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 tcgcaggatt cagcggccat gggcggcggc aacgccaga tgtccaagat ggcgcgcgag 120
 aggaacgccg agaagaacat gggcggcaaa ggcagccagc tggaggccaa caagaaggcc 180
 atgaacatcc agcgcacgat ctgcatgcag accttcatct gcaccacctg cgatgccaaag 240
 tgcaaagaac atgcggaggc gaggcattccc aagaacgacc tctaccagtg cttccccccac 300
 ctcaagaact agtaagcagc agaagcatat gctctgtcga gctaaaagac aagtactaca 360
 tatatatata tatac 375

<210> 22951
 <211> 169
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E12

<400> 22951

tcgcggactc gtgggcgac gcgtgggcgg acgcgtggga aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaagaa aaaaaaaaaa aaaaaataaa gttaataat 169

<210> 22952

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-E2

<400> 22952

acttgctagt ggggaaaaca agatggagca acgcatgcat tgtagtgatc cacaagatac 60

agatccaaca acattgcctg ctcaaaggcc ggcaatctca aacatagtag cttataagaa 120

aagcactcaa ggaaaggaat acatagaatg gggacgaagg gggcccttga gcttagaagc 180

acttccggtg aacaatcgct ggtcctgact catcgtactc agcctttgag gtaacatact 240

gttgagagac agcttgccctg taactatctg taacaatgaa acagacaaca cagaattgct 300

cccagtgcaa cagctggatg atattagaga agcttctgat tctgcgccag agatctnca 360

atgcgaacct aacctgtgct ccagtatgaa ctatggcaca gtgcctggaa gacactccat 420

gtcagaag 428

<210> 22953

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E3

<400> 22953

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tggaggcggg caagacgtac cgctccgcg tgtgcaacac cgggatcaag gcgtcgtca 120

acttccgcat ccagggccac gacatgaagc tcgtggagct ggagggtca cataccctgc 180

aggacgtgta cgactcgctg gacgtgcacg tcggccactg actctccgtg ttggtcgacg 240
 ccgaccaggc gcccggcgac tactacatgg tggccttcac gcggttcatt cacgacgccc 300
 ag 302

<210> 22954
 <211> 241
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E5

<400> 22954

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 tgacaagggtt ggcccttcat gcactcgaaa gctactagat ggaccacttg gaaggagctc 180
 tttgacttct actatagcca acctcacgcc tctgtggtca atactcggca tctcgaagat 240
 a 241

<210> 22955
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E6

<400> 22955

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 ggagttgccc ttggattttt gggtagtgta actacgggtg gtcggggcaa aggacatttc 120
 aacagccgat ggatgcacta agaagaataa ggacgcagtg ctctgccag gctaacacgg 180
 taaccaattt catcaaccct accaactctg aggaacaagg ctataggacc atcggggagt 240
 ccatcgctaa catcctgat gatagcacca aacagtacat cctcatctc agcggtgga 300
 ccgtgtaccg agagaaagta ttggtgagca aaagcaagcc attcgtcacc ataagatcag 360
 atgacctcat caaccctgcc atcattgtgt ggaacgacac t 401

<210> 22956
 <211> 318

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E7

 <400> 22956

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 ctacgagtgg agcccagccg acctgcccac gctcgggcgtc gcctccatcg gcgcagccaa 180
 gctctccctc gccgcgggtg ggctctcgct ccccagctac tccgactctt ccaaggctcg 240
 gtacgttcct tgaaggcact ggcacctgcg gcacgtcct tgccggaggc gaaccaagga 300
 gaagggtgctg gccgtgaa 318

<210> 22957
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E8

 <400> 22957

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 caacctggtg tggctgttcc tggctcggcg gttgctcccc gtgccggtgt ggctgctgag 120
 cagggcgctc ccagagaaga agtggatcgc gctcatcaac gtgcccgtca tctcgtagcg 180
 gttcgccggg atgccgtcgg ccacgccaac caacatcgcc acctgtctgg tgacggggcac 240
 catcttcaac tacttctgtc tcaggtagcg caaggggtgg tggcagaagt acaactacgt 300
 gctctcggcc gcgctcgacg ccggcaccgc cttcatggng gtgctcatct tcttcgccct 360
 ccagaacgcg caccacgagc tcaagtgggtg 390

<210> 22958
 <211> 300
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E9

 <400> 22958

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 accatcgtgc gcgttccttg ctgcgcgtga gagatttcca acgccgagct agcgcacagg 180
 gaagggagag aaaagtgagt gccaccgcgg ggacgaggga aactcgactc accacctatc 240
 gctccttgga gttgtgtcct ggggattctc cgggcttgga ggaggaaggt tgaagcagct 300

<210> 22959

<211> 472

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 22959

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 gccaaactgga aggccaacac cgcctacacc gccaaataat taacttttagt gctgacaata 120
 ctttaagccg gcctatgcta gctatactag aattgggttg atcccaagca atgcattaca 180
 catgcatgca ttggaccgtg atatctatct gctaccacta ccctattacg acagtgatgc 240
 tggcgccaac aatgatggtg tcatcctcct tctccatctt cttcatctcc atatatagct 300
 agagtgcgac ttcgctgttg tttaaaagag aagagttaag aaatggattg acaagttata 360
 taataagtgc ctaatgaaat atttgatagg ccttcatttt ttatcaaagg atccatgaat 420
 gttgtgttgt ccatgtatct nctacgtaat cctaacttta tcatgtattc ta 472

<210> 22960

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B9

<400> 22960

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 gtgtggaagt cgcaggacga cctgttcctc aacggctcct tcttcaacca gtccggctgc 120
 ctgaacgagc gcatgtacta caggctcgac ctcatccagg ccaagggcgg cctgtacgcc 180

tagtcgctca ccaggtactc ctgcgcgctc aactgccgcg tcggctggaa gtgctagtgc 240
 gtgtgcagct ctaggctgca actttcatca ttggcgatcg atcgtaacaa tgcaagggtg 300
 ttgcgtatat aacgcttggtg tt 322

<210> 22961
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-C1
 <400> 22961

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 tatcgtgctg gtcaaagtcg agagcaacaa tgacatacat agggtagatg attccggggt 120
 cgtaatcaag gattgtgagc atcacgcaga tgcagaactc tattctgtag cagccgaatc 180
 gtaggaagac gccaaagggc gggaggatta tggccaagag gatctacaag aaggtgcaac 240
 agtaggcgtg cgccatgacg atctcgaagc tggtcaggat cgggactgat atgttgctat 300
 gcgtagagcc cggtgactag ttctagatcg gga 333

<210> 22962
 <211> 334
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-C10
 <400> 22962

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 ctgtcacacc gacatgacta acgcatcca tgctactaa tactactgct gcctagcgtc 180
 gacgagagtc attagaatgt cactcatgcy tcaacttggt ctattactga aaatacacct 240
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<210> 22963
 <211> 386
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-C11

<400> 22963

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tgtaggccct gcttcaagat caagtgaat aagcctgcag agtgctccag caagcccatg 180

gtggtgcaca tcacggacat gaactatgag cctatcgagg tgtaccactt cgatttggca 240

ggcacggcgt tcagcgccat tgccaagaag gacgaggagg agaagccgtg caaggcgggc 300

atcgtcgaca tgcagttccg aagggtaag tgcaagtacg gctccaagat caccttccac 360

cttgaaaagg ggtgcaaccc caatta 386

<210> 22964

<211> 453

<212> DNA

<213> Zea mays

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<400> 22964

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cccagggagg cagggacaat cgacttcgcc gggcgccggc tagccccacc ggcgacgaca 120

ggcacagtgg accacggagg agaaagtact ctgctttgaa tgggaagtgc catgaacaaa 180

gacaaagttc atgacaagga gactcacgga acaagtagtg atataactga gaaaacacct 240

gtggaaacgg tgaaggggtcc caatctgctt gagcgagcaa aggaagagat cgaggccctt 300

gccggagctg ttcatactaa gatggagcac cattccagtc cccacgcgaa gaaggatgaa 360

tcacataagg aaggcaagga ggggagcctg cacaaaataa aagcccacac ggatgaaact 420

cacggaacaa gtgctgacat aaatgagaac aca 453

<210> 22965

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 22965

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ggctggtgac ggcgctgctc ctgctatctg tgctcgtcgg cggcgcgtgc ctgcggcct 240
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tcgcgtacc aggggcgttc tggatcctca cttgcgcgta ccggtgcgcc gccgcgcggg 360
ccgtggagcg caccacgatg gccgtggcgc cgtctnctgg tagcatgtgc tcgcgtacg 420
gatcgtgagc agtgacctat ttaaggatcg ct 452

<210> 22966

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C4

<400> 22966

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ggctggtggc gccggcgctg gtgtacgcca gcgctgccag gatggcggac gccgacgtgg 180
ggagcccaaa cttcaacctg acgtggaagg tggacgtgga cccgtccttc agctacctgg 240
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tggcggcgcc ctactacaag gacttcgtgg tgaactcgtc gttgctggag gacggcaagc 420
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<210> 22967

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C5

<400> 22967

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gggctcaagg tatggatctc gtcacacctta ctcgagaagc acaaggatcc gaagtcgctc 180
taggagtgtc gactctagtg atgctgaaaa ccctgggaac aacctgtatg tgactgggtt 240
gtcggtcgt gtaacggatc gagatctgga gaagcacttc tccactgagg gtgaggtgat 300
tgatgcaagc gttgtgtatg atccttggac aagggaatca cgggggtttg gttttgttac 360
catggctgct gttaaagatg cagatc 386

<210> 22968

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C6

<400> 22968

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caactgcgcg aagaagccat cctgatatcc cttttggctt cctcattcta gtagtttagg 120
atttcttttc tgacactttg attctgacca atctctctgg cctgctgctt cctgataatc 180
gaccagttcc ccagtcttgc tcottgcaact cctccctcca tcttcagcat tgtgttctga 240
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gtttgagggc tatgagaagc gccttgagat cacattctct gaggcacctg tctttgtgga 360
ccctcatggg cgtggtttgc gtgccctctc cagggccag attgactctg ttctggatct 420
tgcacgggtgc acaattgtgt ccgagctctc caacaaggat ttcgactcat atgtcctttc 480
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<210> 22969

<211> 295

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C7

<400> 22969

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 gataagtgat ccaaaaactg gaatcataga tgtgcgtaac atgtatgaca tactcatagg 180
 atagcttaat gaaagctgtc gatccacgta caaactcatt catagagatt actacttggg 240
 ttgaccatca atttcaattg gtgtaatcat gcaccctacg gtcatggcga gatga 295

<210> 22970
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C8

<400> 22970

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 ggtcggaatc gaagacgaat ctgaaggccg tgtccaagag catcaaggcg atgtgctcgc 180
 agacggacta cacggacgcg tgcgagaaga gccttggcaa ggccgcgaac gccagctcgt 240
 cgtcgcccaa ggacatcatc cgcagcgccg tcgaggtgat cggcgactcg atcggccagg 300
 cgttcgaccg cgccgatctg atcctgagca acgaccact cgtgaagggc gccgtcggcg 360
 actgtaaaga agtgttcgcg gacgccaagg acgacctcaa cagcacgct 409

<210> 22971
 <211> 96
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C9

<400> 22971

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<210> 22972
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D10

<400> 22972

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gagattgaga agcagggaga aaaaatggca ctggccatt gaggaagctt gagaaccagt 180
taacaagaat tgccaacata ttcttggaca atcttggtta cagagtttta aggtttccca 240
gcagagaaga gcgcgtgcaa ccaccacatt catataatta ataagcaagg tttagagaag 300
aggcaacatg ggcacaaaga tgaagaagg gatcctgaag ccgttccgct atatctcaac 360
catcatggat ggtaaggagg ctgaaatgca aattgggttc ccgacggatg taaaacacgt 420
ggcacacatc ggttgggatg gtcctggc 448

<210> 22973

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D11

<400> 22973

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atacgattct tgtaaactct agcttcatcc aatctgttcc tctgatcta actagtctga 120
atagcaactg ttcgtttgct accaatatca acttcttttc agatgctcca tatattcctg 180
ctctctgtaa acaaacaatt atcactgttc aatagatgcg gagatgtgga tataaaaatt 240
acaaaacaaa gaagaagacc aagaga 266

<210> 22974

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D12

<400> 22974

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ggcggtgcc tgcccgcgt cgctccgcg gtcgcgtgg ccgtcggtcg ccgacccgaa 180
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 cgcggtcgcg ccgccccacc ccccggtgac cggcgctcgg atccatccgt ctggcaaccc 300
 aaccggccaa gggccaaccc cgtccccgga ccccgactcc ccgagggcca accggccaag 360
 gcacaaccgc tgaaccgcac aatgcatatt tagtcgtcta ctgcctagg cctattcttt 420
 ccctctcaaa ctcaaattct tc 442

<210> 22975

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B8

<400> 22975

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 tgctatgtcg ccgatatggg tgatggtctt attaggctga tgaacggaaa caaactgga 180
 ccgattaact tggggaaccc aggtgaattc accatgctgg aacttgctga gaatgtgaag 240
 gagttgatta acccagatat aacagtgcgc atgaccgaga acactcctga tgatccccgc 300
 cagaggaagc cggacatcac caaggcaaag gaagttctag ggtgggagcc caagatcgtc 360
 ctgaaggacg gcttgggtgct catggaggat gatttcggg agcgctggc cgtgccaag 420
 aaaaccaagg cctaaactgc cctgcggtgg gcgaagaata tccacggggg agcataactca 480
 ta 482

<210> 22976

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H9

<400> 22976

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gccccggcag agtcaccgaa ggaaggcagt gctgccaaagg cacctgagtc tgccaagaga 180
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 tcgccgtcgt ctaggaagtc tgggccagct accgcgccag ccaccgcctc tacacccccct 300
 tcttcacagg acgaggagtt gagcccttcc ccgccagcat ccaccgcgc ggcgtccccct 360
 gcggctgagg gaccggctgc tgatgactcc gccgggtgctg ctgcccttgg aagtggagct 420
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<210> 22977

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A1

<400> 22977

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 cacggatggc atccacatgg gcgactcatc cgtgatcacg atcaccatca ccgtcattga 180
 cgtctgtgac tact 194

<210> 22978

<211> 303

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A11

<400> 22978

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 caaccttctc tgagccttga cctgcgcgtc agcctgtcga caatcagcct gcaccaccag 180
 gcgcctgttg ccgtcgctt gcccagtcct aagctgctcg tcgaggagaa ctctctactg 240
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<210> 22979

<211> 492
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 22979

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 atggggccca ccggaacagt tatttcgttt ccacacgcag tagtgctctc cagcatcttc 420
 gactccaagc cacacagcta tctnctnca cgggagaaat gcgctgggcc atcgtgcacg 480
 aacgattaca ag 492

<210> 22980
 <211> 87
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-A5

 <400> 22980

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<210> 22981
 <211> 366
 <212> DNA
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 <223> unsure at all n locations
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 <400> 22981

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tcctggctttt ccccttgggtt ttgggtcaatc tagggccaag tttcagatgg aacccaacac 240
tggtgtttaca tttgatgatg ttgctgggtg cgatgaagcg aagcangact tcatggaagt 300
ggttgagttc ttgaagaaac ccgaaagggt cactgctgtt ggtgctcgca ttcctaaggg 360
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<210> 22982

<211> 94

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A9

<400> 22982

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<210> 22983

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B1

<400> 22983

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tgacaacggc tagtatatct gtcggtctga aagcgtggcg taagacacgc atgccagtgt 180
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<210> 22984

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B10

<400> 22984

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tctgggcacg acgtactctt gcgtcggcgt gtggcagcac gaccgggtcc agatcattgt 180

caacgaccag ggtaaccgta ccacgcccta gtacgtcgcc ttcaccgact ccgagcgcct 240

catcggagat gcggccaaga accaggctcg catgaacccc atcaacaccg tctttgatgc 300

caagcgtctc atcggcagga ggttcagtga tgcgtctgta cagagtgata tcaagcttgg 360

gcccttcagg tcatttctgg gcctggtgag a 391

<210> 22985

<211> 299

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B11

<400> 22985

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gcaaccatat ccgatgtgga aatcacagag cacggtggcg atgacttctg ctttacgctc 240

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<210> 22986

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B12

<400> 22986

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cctaccgca ccagtgcgcg cacctctca tcccgtcaa caagtgccgc gtcgccgagt 240

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<210> 22987
 <211> 245
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B2

<400> 22987

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<210> 22988
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B3

<400> 22988

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 gaaccagcag agctacgcgc tgtacgcgca gaagtccgtc ggggacgggg gcaaggagcc 240
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 cggcaagggc gactacacca acatcacgcg ggcgctggag gatatccccg tgagcaaacac 360
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<210> 22989

<211> 469
 <212> DNA
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 <223> Clone ID: LIB3066-027-Q1-K1-B4
 <400> 22989

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 ccttgttctg gcgcatgcaa catcagggtta caagcatagt ttaaaggaag ttttggatac 300
 accaggtgtg atggcactga taaaagatac aaaagcagca catgaggtcc gagctctgca 360
 ggattttctt aatatgctta ctaatgagtc agctcgtgct tgttatggac cgaagcatgt 420
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<210> 22990
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-B6
 <400> 22990

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 gaccaacgtg tactccctgc attatgatat gacatgggtca tcaaatgatg cctaagctgc 180
 caaatgaaga agcgatctac aattcaatag aagcggggat ttataacgaa cgacactcag 240
 atcagatggc attgctaccc tataaagcgc atcgaacata tctggaacta caattattgc 300
 acaatcgngg actgaatgta agactgtacg atcctatcag agcaccacgc tctcactgag 360
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<210> 22991
 <211> 367

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B7

<400> 22991

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tgcaggctgt gcagcaatgg agaagtataa cagcaagact cagttagcac ccttgagaga    240
taccccatctt gctctccgtg gtgctcttgg tagttcaagc tcataccttg agcaagccag    300
gggtacacg tcttcccctc tagcagctct ggcaccaaag atgtcttcta ctactggaaa    360
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 <211> 382
 <212> DNA
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<400> 22992

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gagagtcaac cagcgtatag tgaagcttat agctgagctt atgaggaacc atgacagccc    180
tgaagcggtg gtgatactcg ctagtgccctc cgaccttcta cttcgtgcta ccgatggaat    240
gctcgtcgat ggtgaagctt gtactttgcc acagcttgaa cttctggaag tgaccgattc    300
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<210> 22993
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G4

<400> 22993

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atcaagccac cagcgaggac ggccgacgac cagaggcaga cctgcatgca ttcgccggct 180
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ctctgttgtc cactatgtta tccaagtata tatttgttct tcacttgtgt tgagcaccgt 360
ttgtgtcact ggacatggac aaacagttta gcctgcggac agtccgtctt tagacacaga 420
ctgtccacga ttagatcata ccata 445

<210> 22994
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-026-Q1-K1-G5
<400> 22994

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ttcatgagta ttgttaaaga agctggggta cacggctcttg tggtagcaga tgttcctttg 180
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atztatcttg taagcactgt tggagttact ggtacacgtg caaatgtaag cggcaagggtg 360
caatctcttc ttcaggatat caagaagggtg acagaaaaac ccgtggctgt tggcttttgt 420
gtgtcgactc cagagcatgt ccggca 446

<210> 22995
<211> 351
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G6
<400> 22995

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gcggaaca ccatggcgag ctcgaggacc atcgtggcgc tctcgtgct cctactcgtg 180
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caggaccaat tccagcagac atgctaccag gtgcacttca agaagatgtg ccagatcttg 300
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<210> 22996
<211> 434
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G7
<400> 22996

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tgctgctgc cggcgacccc tatccgccga cccgtccgtc ccaccacacc ccaccgccgc 120
tcgcagctat gtcgccgtcg gagccgacgc gggaggagag cgtgtacatg gccaagctgg 180
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ccggcggcgc cggcgaggag gaggagctct cccgtggagga gcgcaacctg ctgtccgtcg 300
cctacaagaa cgtcatcggc gcccgaggag cctcgtggcg gatcatctcc tncatcgagc 360
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gatcgagacc gaggc 434

<210> 22997
<211> 383
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G8
<400> 22997

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ttccatttct cgccggaatt agagcttaac cgtggaacaa catgccgccg tttgggcgag 180
gcctctgcgc actccaagct ctactccggg gatgacagcc tcgtcatgct cgtcatcgac 240
acaaaccact tcttctgggc tgccacggcg ctccccttca ccgactcctt cgcgcgctcg 300
aactcccttc tgctgttgga ccacgtcaac cgtgtgggta tctcgtggcg ggagtcaact 360
ccggtggtgt ggccatcttg gac 383

<210> 22998
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G9

<400> 22998

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cgcacctgca gcgaggtggc cggcggcacc gcggcgggct gtgcggccgt gtgctgctgc 180
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tgccgcaagg cggcccgct gagcaagggc gggcggcggc gctccgcctc cgtggggcag 300
gccacggaga tctacgagct cccggtggac aacgccggcg tcgtcgtcaa ggtggacgcc 360
agcgccgtcg aggcgggtggc gctggcggtg aagccc 396

<210> 22999
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H1

<400> 22999

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acaacaggac ctactgcgt gaaattgctc acaacgtgtc cactaagaag cgcaaggaga 180
tcgtggagcg tgctgcgcag ctgcacattg tggtcacgaa caagcttgct aggtccgca 240
gccaggagga cgagtagtct ggtttcttgt cttaacgacg aactggatgt tgccattcct 300

ttctgtagga aactactttg cttgtgtctt gttagtactg aaaaccagag tcactcctac 360
ctttttgcaa tcagtagcta ctaaaatgtg gcagattcca ct 402

<210> 23000
<211> 444
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-H10

<400> 23000

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aatTTTTctc ttcaagtgga taccCGGGga gaaggatgaa cggcctgttg tcagagatcc 180
taacccaaac cttttctttg cgcaccaagt catcactaat gcatgtgcta ctcaagctat 240
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ggaattcaca ggagctttta cacctgatct gaagggcttg gctattagca acagcgaatc 360
tatccggaca tctcataaca gctttgcaag gccagagcca tttatttctg atgagcanag 420
ggccgcgact aaggatgatg atgt 444

<210> 23001
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H11

<400> 23001

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gacggctcca gtgctgacaa ggtacatctg ttacgctgct aatcgtaatc cgctacctat 180
ggcactgtgc catcatgcca gcccagggt aagtgtgtg ctgagagatc atcttcgtgc 240
agctactcat ctcccttaca ctatctagcg cagcacgcta gaatctacta cagtacgtca 300
tcgct 305

<210> 23002
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H12

<400> 23002

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 ccccgagta cgaaaccaag gatactgata tcttggcagc attccgagta actcctcagc 180
 tcgggggttcc gcctgaagaa gcaggagctg cagtagctgc ggaatcttct actggtacat 240
 ggacaactgt ttggactgat ggacttacca gtcttgatcg ttacaaagga cgatgctatc 300
 acatcgagcc cgttctctggg gacccagatc aatatactctg ttatgtagct tatccattag 360
 acctatttga agagggttct gttactaaca tgtttacttc cattgtgggt aacgtatttg 420
 gtttcaaagc cttacgcgct ctacgttt 448

<210> 23003
 <211> 506
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H2

<400> 23003

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 tgcggctgct tgtcgtacag cgggtcgtg cgggcgcccc gaaggtgcca gaccggcgcc 180
 caactatcac caccaactac aactggcaaa gtcggctcat ccgcacaggg cactctggt 240
 accggtcagg cccaactggt tgccggctgc tcaactgacga acggccggtg tcgtgccggg 300
 atcaatgaga cgtgacacct gccacgccta cagtcggcat gacgtgcgtg cggcaaccgt 360
 ccccatcttc aaggacggca agggctgtgg ctcatgctac gaggtgagat gcaaggaaaa 420
 acctgagtgc tcgggcaatc ctgtcacggt gttcatcaca gacatgaact acgagcctat 480
 cggtgcctac cacttcgact tgagcg 506

<210> 23004
 <211> 104
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-H3

 <400> 23004

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 cttgagtcct tgcattaatc cactcggggtt acgccaatgg aagc 104

<210> 23005
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-H4

 <400> 23005

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 tggagagtca accagcgtat agtgaagctt atagctgagc ttatgaggaa ccatgacagc 180
 cctgaagcgt tggtgatact cgctagtgcc tccgaccttc tacttcgtgc taccgatgga 240
 atgctcgtcg atggtgaagc ttgtactttg ccacagcttg agcttctgga agtgaccgct 300
 cgggctgtcc atcttatcat cgaatgggga gattcagggt tatcagttgc agatgggtctt 360
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 caccatgca tncctcgtaa ctcaacaggt taactgaata tt 462

<210> 23006
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-H5

 <400> 23006

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 tggctcgtggg cgccgtcctt gcggcgcttg tcgtcggcgg gtcgtgcggg cccccgaagg 120

tgccgccccg ccccaacatc accaccaact acaacggcaa gtggctcacc gccagggcca 180
cctggtacgg tcagcccaac ggtgccggcg ctcttgacaa cggcgggtgcg tgcgggatca 240
agaacgtgaa cctgccaccc tacagcggca tgacggcggtg cggcaacgtc cccatcttca 300
aggacggcaa gggctgtggc tcatgctacg aggtgagatg caaggaaaaa cctgagtgct 360
cgggcaatcc tgtcacggtg ttcacacag acatgaacta cgagccta 408

<210> 23007

<211> 279

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H6

<400> 23007

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acgcacgtgg cactctagca gcacttgata gggcgcaac acgagctccg ggcagtgtac 120
gtcgccgcca ccagagcgcg cgccgatccg gagggcgagg tgtgatcgct ggccgaacag 180
gtgcgcata ttgaagctga ggcgcggctc atgaccgctg cgctcgctgc gatctgccaa 240
gtgcacacct accaccatgt actcgctga gggcgccacc 279

<210> 23008

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H7

<400> 23008

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tcgccaaga aaggagcggc tctgtcgccg gtgccggagg ctatcgtcac cgccaccgac 120
gcaacctcga aggaggagga ggaggaggag gtggtggagt cgccaagaa agaagcggct 180
ctgtcgccgg cgccggagcc tatcgtcacg gccgccgcaa cctcgaagga ggaggaggtg 240
gtggaatcgc ccaagaaaga agcggctctg tcgtcgccga cggcgccgga ggccatcggt 300
gccgtaacag cagtggaaga cgtggtggcg gacaagtctg tgacggttgt g 351

<210> 23009

<211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-G3

 <400> 23009

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 cccctcgccg cgccccggca ccgagccgga cggcggacgc cctggacctc atgtgcttct 120
 cctgctcagc taattggagc aacggccatt atctgcttcg tcgcgcacgc atgtttctcat 180
 attccacgcg cccccgccg tcgtaaccac cgggcaacca ccggccggt cactcagtac 240
 gccgccgccc accaccagct cagcttcagc cgtgcgacgc ttgtaccccg ccccgctttc 300
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 tcgccactac gcgactgcta gctactcgat cg 392

<210> 23010
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E9

 <400> 23010

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 ccacagttcc acacacacgt ccagctgcac tgcaccaatg gccgccgtcg aggtccaggt 180
 cccgactgcc gctcccgtcg aggaggtgc tgctgctgct gcagcgggag tggaggctgc 240
 ccagctggcc gccgtcgaga ccccgaaacga ggagaccgct gctccggcgg cggagaccga 300
 ggctgctgcc gctaaggagc cgggtgctggc cgaggccgag actgagtcca aggaagtcga 360
 ggctcgaggcc gatgccgtag c 381

<210> 23011
 <211> 354
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-F1

<400> 23011

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tgactgtggt ctcaagacac gcaagtacac agacgtcaag ccctgcctga ccaacatggt 120

ctctgtcacc aagctcatgc gcaccaact tgacagctcg aaatgaggta cctagatagc 180

tccatggtct gatagctcag aatgaaccag atgttttgac ataatttggg tgatacccg 240

taggccatgg aggaagtgat acgttagcct ctcatggtg ggatacacca ttacaaagat 300

gcgttctaag aacggagtga gagcttttct ttgcgctatg aatctggggg tatg 354

<210> 23012

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-F11

<400> 23012

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gggacagcgg ctgctggacg tgcagacgtc gatcgcgctc gcggcgcccg accagcgcgc 120

ggccaggatc gcgggcgccc cggggcaggt ggacgtcagg gcgctggtgg ccgtggcgct 180

ggaggcggcc tcggaagccg gcgcgcgtcg ggtgtccatc ttcgagggca agctccccgg 240

gttcaacacc ggcggtcccg acttgcgcgc ctgcctcggc aactgcaccg tcaccatgcg 300

cagcgccatg cagaagctcc acggcgccac cgtcgcgctg cactcgggcg acacgcaggt 360

ggccaggacg ctgcgatgc gctctgccgn cgacgtctcg tncgtgaccg tcagctgcag 420

ggagctcaac g 431

<210> 23013

<211> 147

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F2

<400> 23013

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atgattcaat tcgcttctta tttgctc

147

<210> 23014

<211> 151

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F3

<400> 23014

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gtattacacc gtcaacatcc gcaggtgctc atagctgatt ctacacttat ctccattctg 120

tcttcgtcca ccacactaat gctcaccccc a 151

<210> 23015

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F4

<400> 23015

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ccttgtgagc ctgctgctat gtgcctatg cagcaccgcc gttgcccact ataaagacat 180

gcacgttctc ggcattgtag actgctgcag cgacgcgtgc aaccccgagt ccgattgccg 240

cgtcgactag cggacatcat gctggctgat acggaatctg atgcgccggc gccgtcgccg 300

gcgccggtga cgtaatcctg ttgaacgtgc aagctttcgt acagactatc acggtggtca 360

agaccgctaa ccagttaacg tctcgaaagt gactgcgcct actactgctc ttgccatatt 420

gatatataga tgctcatagt gagcttaagc ctatgacgtt catgctatt 469

<210> 23016

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F5

<400> 23016

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 catcttctca tactgcctat tatgcaaatt actgactgat acttcccttt attctgggaa 180
 acaagctata gctgatgatg cttctgatec tttgggtctac ctctgccttg accttcatgc 240
 atatgctacc gagatcgatt aacacatcat aacaatactc cctgataaca aggctgatct 300
 ggtgccgctg aatatcaagc agagatcgac tgattattct aaggcccatg acattctcta 360
 tttgttc 367

<210> 23017
 <211> 445
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-F6
 <400> 23017

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 aggagcctcg cgagcgggtc agcagcccg gcgctgcggcg gctgcgggtg ggccggcgag 180
 gcgctggagct ggagctgcga ggcagcgctg ggctggccgc tgtctctgcn ggatggctca 240
 aacggaggaa gcagcacgca gcagcagctt ggagcatggg gcggtggaac gaggcggctg 300
 atcgactgcg ccggcgagtc cgcgcgcgcc gcggtgggcc gtgccttctc ctcgatggtg 360
 ctcatcatcc gggagctcca gagcttcacg ctgcanatgc gggaggcggg cgtctacgag 420
 gacctgcaga gcgttctggc gcgcg 445

<210> 23018
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-F8
 <400> 23018

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gctcctggtc ctcttctgca tcgtgcatgg tgagaaggaa gagtcaaagg gcatcgatgc 120
gaaagcgctcc gggcctgggtg ggtccttcga catcaccaag ttgggcgcct ccggcaatgg 180
caagacagac agcacgaagg ctgtgcagga ggcatgggca tcggcatgcg gcggcactgg 240
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cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct 360
aagccagtac aaggaccatg gtaattggat cgagattcta cgcgtggata acctgggtcat 420
caccgcaagg gaaaccttga cgggcagggc ccagccgtgt ggag 464

<210> 23019

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-F9

<400> 23019

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tcagtcctaa tttaccacca aacggcaatt gcgaagaaac caaaagaaaag gtggccaaaa 180
ctaggacaat ctctgttcga tgatttaagt atgatacaaa atctaattgcg acatcagaac 240
atttgaagtc cgtaatcatt tgggcgcccc tatacaagac tgccacggac ttgtctgagc 300
acacattggg ggcattagct tactggtggc cgactgaata tcatcagttt tcaaacagag 360
acagaaatca ttccctcttc tctggtttct ggaccttgac atacngcaag aatcc 415

<210> 23020

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G1

<400> 23020

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agtctgacaa tacttctcac agtcaagaag aggactcata ttctgtcact tcttcaactg 120
taacttcagc gagagctgga aaaactaaga agacaactgt tgctgttgca cctacatttg 180

tctgtgataa tcgtgctgag aagagaggag agttttacac aaaattagaa gaaaagcgca 240
 aggcttttga agaggagaaa ctccaagcag aggccagaaa gcaggaagag gaagaagaag 300
 ctctaagaca actgaggaag aacttggtcg tccgagcgaa acccgtgccg agcttctacc 360
 aagaaccccc accaaagggt gaact 385

<210> 23021
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-G10
 <400> 23021

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 ggaagcgaaa gatcgacaaa ggtggcatct gaggcagcag atataggaag atcagccttg 120
 tttccagctt ctgctttatc aaacactttc gggttcaaga ttcaggacag gctactgaac 180
 aatgcacaga tttaactgtg aaatgagcat cttgacagac ctgataacta gcattctata 240
 gagggtcggc gacgacattg a 261

<210> 23022
 <211> 387
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-G11
 <400> 23022

ccacgcgttc ttcgacgctg gcgcgggctc gaggaccttc ccgaattagc gtccgctctg 60
 acttcagttg accctgcctt agccacatgg ctgcagcccc atcgaattct gtttctggcg 120
 tgatggctgt tcatgttcac cgacaccgta tcaagggtccg ctatgtccaa actatcatgt 180
 gtgcaatgtc aactggaaga gagcactgtg caatctcgac tggcattagc ggtgatcaat 240
 ccaagggcgt ttgcgctgga tcatcataca aagttatttg agcttacaac gccggttcgg 300
 atacatccgt tatcgttcca tggctcaggg agatctattg ctgtaaagtc ttctgtttca 360
 ctgctgaagc tggcagaggt gccattg 387

<210> 23023
 <211> 458
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G12

 <400> 23023

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 tggagtcaaa gtggagaccc agaagatgat gctggggacg ttcagcccc agctagagcc 120
 ctatgtctac gagggcgaag aatagaccac ccctgctggc atttgtgcga gaggatctta 180
 ttctgccaaa ctaaagtgtg ctgatgatga tggcaagtgc ttcttgaga tgagttacta 240
 ctttgagatt agataggagt ggccaggatc tcaatgatgt gtggaccagc atggctgact 300
 cgtcagagta tgtagagct catagctgag ccaagcaca gatgtggact catcttcgag 360
 aatgatttcc attcgatact tcgtcttgga tcgcattaca atttgctttg aatcgtcatt 420
 gtacagtcgt catgacataa aactggttat tcatcaca 458

<210> 23024
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G2

 <400> 23024

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 cgctccgcc ccggcaaaaa gcaaaacacg gccatggaag gctacgaccg cgagttctac 120
 cagttcagcg accagctgcg cctgcagacg gccgccttct cgggcctcta cctcggcgac 180
 tccatctggt cccccgccgg ccggcgcaac aacagcaacg acgtactctt cgccgnctac 240
 gcgtcgcccc ccgacgccgn cgacaagagc aacgccgtcg tcgggctcaa gctcaacgac 300
 ggagggcccc gcctcatcgg ctccgggaag ctggccttcg gcggcgccgg aggcggaggc 360
 accaacaagg ccgaccgcta caacaacaac a 391

<210> 23025
 <211> 421

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-E7
 <400> 23025

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 cgatcttcgt aagggattga agctgcactg ctgcaggaca gcagaaggct tctggtgcaa 180
 aatttgcaac ctctctctcg ttggagtgcc tgttcgcctc gctttaatct gtttctacaa 240
 tgtttttgtt ttcattgtatt gtagctgtaa cagtctaagt agccgcgatg gcaatcgtgg 300
 gaagcaattg aacgaattgg tgttggtact gtcgtttcgg aactgaaag accatctntc 360
 tttgcttgct ttgccccgaa aggaggaatt ttgcattaat aattaaatac attcttgagt 420
 g 421

<210> 23026
 <211> 475
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D2
 <400> 23026

cccacgcgtc cgcccacgcg tccgcgggag cacagagcta gctagccagc cagccagcag 60
 ccagcttgct cgccgcgccc gtccttcttc ctgcctccg ttccgttccg ttccgtcccg 120
 cccgcgcgcg ccgcccatt cagggatgga gatgaagaag atcgcttgcg ccgtctctgt 180
 cgccgcctcg gcggccaccg tggcgctcgc cgcggaggct ccggtcccg gccccaccag 240
 cggtctctcc gccgtcgcgc ccgcctcgg cgcgcctc gggccgcgcg tcgctctctt 300
 ctgccttac tacattcagt gagccggccg cggccggtcg cccggaggcc gaagaagaga 360
 cgaagcggga gagagagtga catggctgcg cgcattccga tgcgtgggca tgtttttgat 420
 tcgacacacc ttttgcctc tttttctttg ttcctcttt ctgcttaatt taacg 475

<210> 23027
 <211> 212
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D3

<400> 23027

atgaaaatta atgcgtccaa tgattcatat ctctatatgc atatctctct gctctgcctt 60

gttggtctggc tcttctcatc attccctagc agatcgcata gtattagttg catgcattat 120

attgatgatg caggtatttc gtcgagcaac aaggcgact atcaattgtt tttgtaatac 180

ccaaaattag tgaataaagg gaaactgggt at 212

<210> 23028

<211> 471

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-D4

<400> 23028

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gctcgttccg tctccctcgt cgtggcgccc cttctcctcc tctccctcct cgtctccgcc 120

gcggccagtg cgcggaacct gggcgacacc gtgcaggacg cgtgcagcaa gacccagttc 180

cccaagatct gcgtggacag cctcgccgcc aagccggaga gccagaaggc gacgccgcgc 240

aagctggcgg agctgttcgt gaacatcgcg gccgagaagg gatccgggat ggccaccttc 300

gtgcaccgca agtacagcga caaggaggac agcgacatat tcaagtgcta cgacagctgc 360

tccgacgacg tggaggaggc cgtcgcccac ctcaacggcc tcgtccggga gcccaaccgac 420

gccaagttcc tcgagctcaa gtcgtggctc tctncaacgc tcggcggcac c 471

<210> 23029

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-D5

<400> 23029

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caatggcgac cccacccgcc accgcactca cctgctcctg ccgcccttcg tcgccctcct 120
catcatccgc cgccttcgcg cggtgaaca tcttcgcccc cgtctcgggc gccattctc 180
ctcctcgacg ccgcctccgt ctgcgcctat tgcacgtcgt cgacgactcc aaggaccccc 240
ccgaggagag gtctgagacg gataagatgg tcgacggcat ggacttcggg gagctctgca 300
gcgacttcga gtgcataagc agccnctacg tggagtcgac ggcgaggcag gtcgcgcggg 360
acatnctgga gctccgcgag gacaaccgcg cattcaa 397

<210> 23030
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D6

<400> 23030

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tacggtcgct aataagcagc cgcattccagg gatggagatg aagaagatcg cctgcgcctg 120
cctcatcgcc gcctcggcca ccgtggcgct ggccgcggag gcgccggctc cgtctccac 180
cagcggctcc tccgcggtcg caccgcctat cgtcggggcc gccgtggcct ccttcttcgc 240
gtactacatt cactgagccg ccggacgagg agccggagcc ggagggaaga gaccaaggtg 300
gggggagaga cttggctcgc ctgcgctgct ctgctgctcc cgcgcattcc cgatgcgtgg 360
gcgtgctctg attgggcacg gcggtggcag tggcacacct tc 402

<210> 23031
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D7

<400> 23031

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tatatggtgg attggcatct cttatcttct gtggctatat catctatgac acagacaata 120
tcatcaagcg ccacacatac gatcaatata tatgggcagc tgtttctctc tacctcgacg 180
tcatcaactt gttcctgtct ctgctgcagc tgctgagggc agccgatagc tgagctcatt 240

aatggagtgt ttggtttgag aaatgatata gtccatcatc ttctcactcc tcaactttttt 300
 gtttggtttg tggaatggag tgagttaatc caccaccacc tcattcttta taattagttg 360
 tttagtacta atatgtggaa taaagtcac cact 395

<210> 23032

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D8

<400> 23032

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 gcgagcaacc agcgatcgcc ccatggccgc catggctaga tccgtctccc tcgtcaaggc 120
 gcccctteta ctactctccc tcctcgtctc cgcccgccgc agtgcgcgga ccgtgggcga 180
 caccgtgcat gacgctgca gcaagacca gttccccaag atctgcgtgg acagcctcgc 240
 cgtcaagccg gagagccaga aggcgacgcc gcgcaagctg gcggagctgt tcgtgaacat 300
 cgcgcccgac aagggatccg ggatggccac cttcgtgcac cgcaagtaca gcgacaagga 360
 ggacagcgac atattcaagt gctacgacag ctgctccgac gacgtggagg aggccgtcgc 420
 ccacctcaac ggctcgtcc gggagccac cgacgccaag ttctcgcgag tc 472

<210> 23033

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D9

<400> 23033

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 aaccaccatc cgtcgtcgcc aaccgtagca agaacatcac caccgcccag caataatggc 120
 gcagagcatg aggattgtgg cgctggccct ggtggccctg ctggtggtgg cggcgccggc 180
 gccctggcc accgcgtacg gctgctacga cgactgctac gagcgtcgc ccaacggcaa 240
 gaaagacccc gcctgcacca agatgtgcaa ccaggcgtgc ggctccacgg atcaaggcgc 300
 cgggtgccgtc ggcgccgcgc cggcttgatc gcccaacgca ttcacgcgtt cagctcgata 360

taatc

365

<210> 23034

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E1

<400> 23034

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cagctcgagc agtacttcaa acagcacaag cggcgaatca tttaaaaata gaagagtacc 120
aaatcgcccc ggggataata acagtaatct gagctcaaat tctgatgttc ataaaccacg 180
gcgcaaaagg aggcataaga agaaaagaaa gctgcaggca tgatgaatat tcccaaagcg 240
cgtgaactgt ggggggtccg tggaaattca gattcccagc gaagtttga ctttgagcat 300
ggccaatttg gagaagttga aaaaaaata gacacagcat gtgcgatgtg tctgagcaag 360
ttgattgatt ct 372

<210> 23035

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E10

<400> 23035

caatcatcca ccgcgccgcc gcagaggcct cgtcctcacc ttccccgtag gaagccgaag 60
tacagccagc agcgtcgcca tcagcaccca tcatggccga ctacgagcag gagcaggata 120
tggaggtgga ggcactgcag gccatcctca tggacgacat caaggagatc gacccgagtg 180
agagtgggat cgccaccacc gcccggtgct tccagatcct actctctcct caggatgatg 240
attttgatga gtcagcttat gtcccagttc aactggccct gatttttgcg cacactgaga 300
agtacccga tgaaccttca ctactaaatg tgaaaagtgt acgaaggatt aaaccacatg 360
atcttgcatc cctgaaggaa aagcttgagc aagaggcaaa agagaatctt ggcattggcta 420
tggtctac 428

<210> 23036

<211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E11

 <400> 23036

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 cagggcatca acgagttcaa cacggagatc cagatgctgt cgaagctgcg gcaccggcac 120
 ctggtgtccc tgatcggcta ctgcgacgag aaccaggaga tgatcctggt gtacgagtac 180
 atgcacaacg gcgtgttccg ggaccacatc tacggcagcg aggggaaggc gccgctgccg 240
 tggaagcagc ggctggagat ctgcatcggc gccgcccggg ggctgcacta cctgcacacg 300
 ggcacggcgc atgggatcat ccaccgcgac gtgaagacca ccaacatcct gctggacgac 360
 aacttcgtgg ccaaggtgtc ggacttcggg ctgtccaagg acgggcccgg gatgaaccag 420
 ctgcacgtga gcaccgccgt gaagggc 447

<210> 23037
 <211> 282
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-E12

 <400> 23037

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 acatccacaa ggggggaggg gaaaacacgt acattcaccg ggcggaata atggcctcgg 120
 ttccggctcc ggcgacgacg accgccgtcg tcatectatg cctatgcgtc gtcctctcct 180
 gtgccgcggc tgacgaccgg aacctncccg actacgtcat ccagggccgc gtgtactgcg 240
 acacctgccg cgccgggttc gtgaccaacg tcaacgagta ca 282

<210> 23038
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E2

 <400> 23038

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 gccacgcgtc cgcgagagag gaacgcgaac aaccaacgat cgcctcatcg ccatggctcg 120
 ctctgtcccc atcgccgtcg ccgtcgcgcc tctgtctctg ctctctctcg tctccactgc 180
 gtccgctgca cggaccgtgg gcgacaccgt gcaggacgcg tgcagcaaga cacaattccc 240
 caagatctgc gtggacagcc tcgcccgaac gccagagagc cagaaggcga ccccgcgccg 300
 gctgggggag ctgttcgtga acatcgcggc cgagaaggga tccgggatgg ccacgttcgt 360
 gcacgggaag tacaacaacg ccaaggacag caccgtgttc aagtgtctac acagctgctc 420
 ggacgacgt 429

<210> 23039
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E4
 <400> 23039

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 ggatccctcg ctaataacat catggctgtg ggtgtcgtcc ttgcagcgtc cgtcgccggc 120
 gggatcatgcg ggcccccgaa ggtgccgccc ggtcccgaac tcaccaccaa ctacaacggc 180
 aagtggctca ccgccagggc cacctggtac ggtcagccca acggtgccgg cgtcctgac 240
 aacggcgggtg cgtgcgggat caagaacgtg aacctgccac cctacagcgg catgacggcg 300
 tgtggcaacg tccccatctt caaggacggc aagggttgcg gctcatgcta tgaggtgaga 360
 tgcaaggaaa aacctgagtg ctcgggcaat ccagtcacgg tgtacatcac tgacatgaac 420
 tacgagccta tcgtcccta ccacttcgac ttgagcg 457

<210> 23040
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E5
 <400> 23040

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gatgagttcc tcagcaactc aaacgagcag cttaacatgg atgacgttta catttcctat 120
cttcgcgttg ctcatatatt tgaccgggtg attgaggagg tgttcattcg tcatgggtgct 180
tcaattggat tttggcgtgg ggatgtcaaa ctcttggttg aagacattgg agaactcaaa 240
ccaacagttt tttgtgctgt tccacgtgtt ctagacagaa tttatggagg attgcaagat 300
aaaattacag ctgggtggtt cctaaagaaa accttggttca atgttgctta caaatacaaa 360
caaggcaata tgttg 375

<210> 23041

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D12

<400> 23041

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tgccatattg atctgtacgt agactcagcc agtcggcggc tagcgatatt gccagcgaca 120
ggcgcagcgg accacggagg acaaagatct ccgctttgaa agggacgcga catgaacaaa 180
gacaaaggctc atgacacgga gactcacgga ccaaggaggc agataactgg gaatacacct 240
gtggaaacgg tgaagggtcc caatctgctt gagcgagcaa aggaagagat cgaggccctt 300
gccggagctg ttcatactaa gatggagcac cattccagtc cccacgcgaa gaaggatgaa 360
tcacataagg aaggcaagga ggggagcctg cacaaaataa aagcccacac ggatgaaact 420
cacggaacaa gtgctgacat atatgagaac acac 454

<210> 23042

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E6

<400> 23042

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gacgggagct aataagcagc cgcgtccagg gatggagatg aagaagatcg cctgcgcgct 120
cctcatcgcc ggctcggcca ccgtggcgct ggccgcggag gcgccggcta cgaattacac 180

cagcgggtgc ttcacgtca gagccagcat cgtcggggcc gccaggggct ccttctctgc 240
 ggactacagt gactgatccg gc 262

<210> 23043
 <211> 405
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-B8
 <400> 23043

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 gcttcttggg gcacattttg ctcttgattt cattagtagc atggatgaatg gagggcacat 120
 tgtgattttt agatcagaat tgtggttcct tgggctgcct taatgtgttg atttcttttc 180
 tttatacgat gatagatata gaattgtcta attgcaggta caaggtagta aagccatcat 240
 gtttaccagt ttgctacatg ttctctcaat ttggtagtaa ttttcagttt ggaacatgta 300
 atctgagtgt tagtcagttt gctacatggt tctgaatttg tgtcaatctg agtttggacc 360
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<210> 23044
 <211> 451
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-B9
 <400> 23044

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 cacagattca gataaaacat ggcataatgta gtcatagtgc tctccttcta tttcctgtca 120
 cttgatgacc tgtttcacia agctcaattc atattaaaaa ggatactctg cattctcttc 180
 atctttaagt acggtgatcc atatttttat aaacattgtc ttggaaagct ggaagggtgc 240
 atacattatc catgtgttag gtgggcaagt catcttacgc caatgagaag cttacgttga 300
 agtcaatgcc ttggcacaac taatgacatg gaaaacaacg gtctaagtta acatgggctt 360
 cagattgcat tgctgggaaa gatggaatgg aattcaaatt ttggtggccg cacaagtgtg 420
 aagacttgaa ttcatatata tacttagtta g 451



<210> 23045
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C1

<400> 23045

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cgcgctctcc ccgatccagc ttgttcgcag caacagccgc cgttttatgc cttctcaagc 120
tgatgaagaa attcatcagt tgtcctttct gcaaaagcat atggcgaata ttcttactct 180
cttggcagat tctgttgagg gtgagggatga cgattcactg gtattgacaa tggagacttt 240
tgagcacctt ggatttctag ttcagttctc agaaggaact tctttaacca ggctgctaca 300
tttttgcaaa ctcagaccca gacatg 326

<210> 23046
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C10

<400> 23046

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tgtcatatgt gacatcgagc cacctgcatt gatccgagag aactgtgggt gcgcattatg 120
gttgacgcca cctgaataga tgtgtggcat gatggtcgat ggcagtcaat gattgactga 180
acctgagaaa ggttattggg ctacaatcta tgcagagcta gatgtactta tgcccaatgg 240
aatgaagtga atggcttcgt cgctagcacc ttgttggaat atgtacgaag atgttgatca 300
tatacaccat ggcaaagtga acacgatacg gtaagtgttt atggcatgcc tggactaacc 360
tagtgatgat ccacctatag tgaagtagat gtgcaccgca tagcgctact gctttgctta 420
ttgactgcat tc 432

<210> 23047
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C12

<400> 23047

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tatctacaga aactatagtt gaggcagctg catgcttgct ggcaccggcc atccaaactt 120
tgacatggga gtacgtccac ccagtttcct ggtgacagtg agatttttgg ccatggcttc 180
catgatatgc tctagttttg ctgttaaact tcaactgatt gttctatggc agcaacaaga 240
gaacagcacc ttgtgattat tccggaggca catcaggggt cgttgacgcy gatgcaatca 300
tcatatggty gatagtggat agtgaatagt tggcgtcaca atttttgttc ccatagtcgt 360
cacgattagc catctgtcaa agtactctct ctcttcgttg aataaggtca tcaagaaggc 420
cggtcattta cttgtgtatt ctgtacttta t 451

<210> 23048

<211> 479

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-C2

<400> 23048

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tactcccaat tatactgtgt gtgctgctac tcatgcttgg agcccttgtc tggacatgta 120
aaagcagagg caaacggcaa aagaagagag ttcaaaagag aaggatgcta gaatacttga 180
gttctactga tgacgctggg gacaagaaca taaacttccc atttattagc tttgaaaaca 240
ttgtcacagc aacagataat ttctctgaat ctaatttgct tgggaaagga ggttttggca 300
aagtgtacaa gggaatgttg gaaggcacia aggaagtagc tgtcaagaga cttagcacgg 360
gttccggcca aggcaaggag gagttcaaaa atgaagtagt cctaattgca aagttgcagc 420
acaagaacct agttaagctt ctcggttggt gtattcatga agatgagaag ctgntagtt 479

<210> 23049

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C3

<400> 23049

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cgtcttacta tccaacaccg cgccgggtccg gattaattcc ttctcgaccg gacagcgcaa 120
tgctgtgcct agatcgatcg gtgcgaaggc aagtgatgcc gctatatata tatatatata 180
tatatatcta tgtatgtata tgtatatagg agattcttgt agcgagctct taacgcgatg 240
ggtttaccgg tctctacta ctgcatttgc attggcggcg acgttgaatt ggcgacatgc 300
aaggtcagcg ttaggtacgt cgctacatgg gaaaccccca aggtcatttt g 351

<210> 23050

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-C4

<400> 23050

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tggctgcttt acacaattac acctatacaa cataaacatg actatgcaca ttctgatacc 120
tcaaaaccct acgtcagctg accatctgca aaacttcatt ccctaaccgg agatcaatta 180
ttgcccccg tccaattttg ggggaatata atgacacgaa agggaacaac ttgacagtac 240
tgtgaaccct ttgaacgccc ttcataacat caaggagcaa gtacaagaac ttttatgggt 300
ccctgactgg tagcagttaa catcgtangg ctatcactct tncagcagac agcactaatg 360
aaaatagacc aggatcatca tcggcatcat ccgggtcaga agatacaaat cta 413

<210> 23051

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C5

<400> 23051

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttaaaaataa aaaaaaaaaa aaaaaaaaaa 60
aaggaaaaaa aaaaaaaaaa gaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaat aaaaaagggg tggcggtttt aaagtttcca agttaagttt cgggggcttg 180
 caatgcttaa gttttttttt ggggaaactt aatttaattc tatgggcgtg atttttaaaa 240
 attcgtgtct ggaaaacctt gggcggtacc aaatttaatg gcttggagaa atatgccttt 300
 t 301

<210> 23052
 <211> 431
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-C6

<400> 23052

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 gacggcgccc ggggacagcc ccaacacgga tggcatccac atgggcgact catccgggat 120
 cacgatcacc aacaccgtca ttggcgctcg tgacgactgc atctccatcg gccccgggac 180
 ctccaaggtg aacatcaccg gcgtgacctg cggccctggc cacggcatca gcatcggcag 240
 cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgtcaagg attgcactct 300
 taagaagacg atgttcggcg tccgcatcaa ggcgtacgaa gacgccgnct gcgtgctcac 360
 cgtctncaag atccactacg agaatatcaa gatggaggac tcagtcaacc ccaatttcat 420
 cgacatgaag t 431

<210> 23053
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C7

<400> 23053

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 acccaaaggc taaccgtgag aagatgaccc agatcatggt cgagaccttc aacacccccg 120
 ctatgtacgt cgccatccag gccgtcctgt ctctgtatgc cagtggtcgt accacaggta 180
 tcgtgctcga ctcgggagat ggtgtcagcc aactgtccc catctacgag ggatacggcc 240

tccccacgc catccttcgt ctgcacctgg ctggccgcga cctcaccgac tacctcatga 300
 agatcctgac tgaacgcggc tactccttca ccaccactgc tgagcgggaa attgtcaggg 360
 acatgaagga gaagctcgcc tacattgccc tggactacga 400

<210> 23054
 <211> 312
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C8

<400> 23054

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 ccaagaacca gacctcgggg tggatcatcg gggtcgcgga ggtctactgg atgggggtcaa 120
 gaagtatccg ggcaagtcgt ctctgggaac cctgcttatt gctcgccgga tgctagcgcc 180
 gtcgtggact gcgcggctcc gagaagtcga ggtcgtcgcg acatatcca ggtaaagagc 240
 catccgatag gatcgtagtg ttgcgagcat cgtgttgctc ggttggcggg gtagtttggg 300
 gcattggcgt gc 312

<210> 23055
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C9

<400> 23055

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 ccttaatgct tgatgggaaa tgggtcaaac aagaatcttc tgtcaaggaa gtagtttcca 120
 ctgctagggt ccaaagttaa aagaaactgg tgaaagagaa gctgcatcaa tgggtcatct 180
 gcaaagtaaa cgatgatgga aagggtccca atgttctgtg caaggaagga caggggtgtga 240
 ttcathtagt agcagcactg gggtatgatt gggctataag accgataatg attgctgggtg 300
 tcaatgtgaa cttccgggat gctcatggat ggactgcact ccaactgggct gcatctttgg 360
 gaagagagcg gacagttagt gtctcatag caaatggagc tgcagcaaga gcactaactg 420
 atccaacttc tgagttccct 440

<210> 23056
<211> 276
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-D1

<400> 23056

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gtgcgcagtt aggggttgga gatctcttgc ctcacgacac gagcagcaga atttgctcag 120
ggccgctggt tgctgcgaga gggccgggcc ttcgtgggat ctttgaaatt gaatgttcta 180
atggagtcca aagggtggcaa gaagaagtct agcagtagtc gttccttcct gatgtacgaa 240
agctcccttg gctacagcat cgaggatata ccgcct 276

<210> 23057
<211> 75
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D10

<400> 23057

ctccactcgt ccgcccacgc gtccctgtcac gcgtcagagg actcttgccg agacgcgtgt 60
ggggtttcac acaac 75

<210> 23058
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D11

<400> 23058

cttcgtgatg gtcacgccc tgcacttggt cagcagccag cctagcagca gccgccgtgc 60
ccgcaagctc gacatggagg gcctcgagga gaagtcgccc gagtacgtgg ccgtcaagaa 120
ggcgtcgtcg acaccgcaga agagctcctc gtggctcggg aggagggcag ggtcgtcgtc 180
tggtgggctt ggacacagac gggccgcttc tgccgcgaag gtggacgata taagcagcag 240
atccgcgggg gatctggtca tggatgaacga aagcaagggc gtctttgggc tcacggacct 300

catgaaagcg gcggccgaag tgatcgggag cgggtgggctc gggtcggcat acaaggcggg 360
 gatggccaac ggcgtggccg tegtgggtcaa gctgctccgc gacatgaacc gggcg 415

<210> 23059
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B7

<400> 23059

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 gtcggaggcg gagaagaaga aggtcacgta cgtgggtggac cccagcggca agggcgacta 120
 caccaacatc accgcggcgc tggaggatat cccggtgagc aacaccaagc gcgtgatact 180
 ggacctcaag cccggcgcgc agttccgcga gaagctgttc ctgaacatca gcaagccgtt 240
 catcacgttc cggtcggacc ccaagaagcc cgccgtcgtg gtctggaacg acacggcggc 300
 cacgaacggc aaggacggca agccgggtggg cacgggtggg agcgccacgc tggcgggtgga 360
 gtcggactac ttcacggcgt acggcgtcgt 390

<210> 23060
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-A2

<400> 23060

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 ataaacagaa tgggtgaagtt gttgctgtta agaaaatgaa gaaaaagtat tattcttttg 120
 aggaatgtat gggtttgctg gaagtaaagt ctttgcggcg catgaatcat cctaacattg 180
 tgaagctcaa agaggttatc cgagaaaatg atatattata cttcataatg gaatacatgg 240
 agtgtaatct ctaccaactt atgaaggata aggtcaagcc tttctcggag tctgaagtac 300
 gcaactggtg ctttcagata tttcaggctc ttgcttacat gcatcagagg ggctactttc 360
 atcgtgacct caaacctgag aatctgttag ttagcaaaga tgtcataaag ctagcagact 420

ttggtcttgc aaggggaagtt tcatcattgc cgncatatac agaatatgtc tc 472

<210> 23061
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A3

<400> 23061

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ccgaggagaa ggcgtacgcg gcggagaagg tcgttcagca agagatgctc aagtacacca 120
aggagaaggg tctggtgtgc ccgaccaacg gcacggagtg gtacaagggc atcgaccggg 180
agttcgtgga cgtccacaac gagcttcgcg cgcgctacag cgtgccggcc atgaagtggg 240
acaaccagct ggcgcggcag gcgcggagct ggttcaacgc catgcgcaag gactgacaga 300
tcctgcacag cggccacgag tacggcgaga gcgtgttcag gagctacgac gactggaacg 360
tcaccga 367

<210> 23062
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A4

<400> 23062

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tcggaatgat cgtggtgacc ccggagttgt tcggtccggt aatcattccg aggccgcacg 120
ccatcccgac ggtgcaagtc tctaacgcgg cggggcagaa gatcaaggcc tacatccaca 180
aggcgcgggg cccgacggcg acgttcgtct tcaaaggggc agcgttcaac accccaaggt 240
cgccgatggt ggcgccotta tcctcgcggg gcccgaaacag gacgagccgt gggattctga 300
aaccgacat catcggcccc ggggtgaaca tcacgacggy cgtgccctcg atcaggagacg 360
tggacctgct gcgcaacgcy gaggtgcccc ggttcgacat caagtccggc acgtccat 418

<210> 23063
<211> 444
<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-A5

<400> 23063

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 atcGaccttc acGccagtct cGgtctcttc cGaaggcGtc gCgCgCggtt gtttgagagg 120
 agaggaggaa gatgagggag tGcatctccg tccacatcGg gCaggccGgc atccaagtCg 180
 gCaacGcGtg ctgggaactt tactGcctcG agcagGgcat cCagcctgat ggccaagtGc 240
 ctggagataa gaccGcggga catcagatG atGccttcag caccttcttc agccagactG 300
 gtGctgggaa gCacgttccc cGtgcaatct tCgttgatct agaaccact gtgatcGatG 360
 aggtGcGcac tggcagtac cGncagctct ttcaccctga gCagctcatt agtggcaagg 420
 aggatGccGg ttacaatttc gccc 444

<210> 23064
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-A6

<400> 23064

gCcacGcGta cGacaactct gacGagcGgg accacctGtc attgtctgac cGccGctcG 60
 cCggacGgca gCgCgacGag gacccGattg cGcttactG ctacaggacc cagcatcGcg 120
 tGctacaccg ctgatcGagc gaaccccatG caccctgatc gctccGtccg atcGaccGcc 180
 taggggttac gCgtaccact ggctccccGc gccttattgg aggcGgtccc agatacctca 240
 aactcacttc gCagctggat cGctcGact caacaccGgc gaattcGaga agtggcatac 300
 gctGcagagc tGctatGcgt acaagtagaa cca 333

<210> 23065
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-A7

<400> 23065

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caggggtacc gctaacgtcg gcgtcgacgc ctcaagggca cccgtgtacg gctctcgcg 120

gaccaggttc atgggttgga cgaggtccta gcggcagtcg gcgtgctccg acgaagctgc 180

gcctgcagta ctgccggcca tcgaggagcc tcagagattg ctgaagaaag tgggtggcca 240

cggcatcagt gcttgagaga gctgtggcgg cgcgacggga gcagcacagg acatgagtgc 300

caccaagaac cacgtcatgt gagaccgaaa gcgacgagag aagctcaacg agatgctcct 360

cgtnngctaag tcaactgcttc cgttcatgca caggggtgaac aaagcgtcga t 411

<210> 23066

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A8

<400> 23066

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gtgccttgga tgttgattcc aaaacctctt ctattgaaga agcaacatca gcaaaggcat 120

caaggtcacc agtacgcaat gcttcagggc gttgatgaat cagtgggagc agagctgggg 180

gaacatcatg aggaagcaca tgaccatgag gagtttgagt tcagcgaagt ttttgttcac 240

cagctgattc acacgatcga atttgttctt ggtgcagtct caaacacagc ttcgtacctt 300

cggctttggg ctctgagtct tgcacactcc gagttgtcca ctgtattcta cgataaagta 360

ctactgatgg catggggggt taacaatgtc atcactctta ttattggcat catcgtcttc 420

atatttgcca cggttg 436

<210> 23067

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A9

<400> 23067

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acagtagttt ctaatttgtt gaaagaagga aaggttgaag cttggggagt ggagccttat 120
gatttggaag atactgacag tacttgcaaa agcctcgtgc tcatgggtctt tgtccgtatg 180
tctgatatta agttgctcct tccgtaccgt gcagattctt ttaatctt 228

<210> 23068

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B11

<400> 23068

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cctcggcacc tactcggcgg tcaactgggt cttcctgggc ggccgcgtcg cgccctcct 120
cgtgtggctc gcgcaccggg cgttcccgag ccagagctgg atcctgctcg tcaacatgcc 180
cgtgctcatc ggctccaccg gcatgatgcc gccggccacc gccgtcaact acaccacgtg 240
gatcattgcc gggttcctgt cggggtacgt ggtctacagg taccggcgtc actggtggga 300
gcgccacaac tacctgctct ctggcgcgct cgacgctggc ctggcggttca tggccgtgct 360
catctacctg tgcttgggct tggagaacgt cggcctcaac tgggtggggca atgatctgga 420
cgggtgccc 429

<210> 23069

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B12

<400> 23069

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cgccgcctag aaccggagct cccaatcgat ccactggccg ttgagccgac acttcaatgg 120
aagcccacgc ctgcgggggc cgccgcaccc tggaggagat tcggcagaag agagccgcgg 180
agaggatgca acacgccgtc ccgatcgcgg cgtctcacgt cgactctcac gggaacaaaa 240
gagctggagc tgagcatctt gctcgagttc aagaacttga aaatggcaac acggaattgg 300
agagggaaaa caaatgctc ttgtccaaga tcgctgagaa ggaagttgag aaggacgccc 360

ttgtaaaccg tttgaatgat ctcgagcggg atgtagtgcc ctctttgaaa aaaagcttga 420
atgacattta tttggagaaa gatgctgctg tag 453

<210> 23070
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B2

<400> 23070

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gggcgggcgg cggcgctccg cctccgtggg gcaggccacg gagatctacg agctcccggt 120
ggacaacgcc ggcgtcgtcg tcaaggtgga cgccagcgcc gtcgaggcgg tggcgctgcc 180
ggtgaagccc gccttgacgc tggaggagac gggggagctt gagaaggagg tgtgggccag 240
gttctacggc acgggcttct ggaggagcgt gtctcagctc gacgacgacg acaggtgacc 300
ggaacaatca ggcccgtgag tgagcgagcg atcgaccagc tcctccggcg atgcttaagc 360
aatagcatgc gtttccttgg ttgggtttcc ttcgttgttt tccgcggaaa taagagaaga 420
tcgaggaaaa ggaaatgtga tgcattgctg tcgactgact atacgagttt ct 472

<210> 23071
<211> 466
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B3

<400> 23071

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ctaactcat gctgtccaga aggggaattct attccacagc tgatgttctg caaatattcc 120
agcagatgtg tgaagggtcg aaacacatgc acagctttga tcctccatac gtcataatg 180
atgttaagcc tggtaatgtt cttataacct ggcgtaaagg acaagcacct gttgcaactt 240
taatggattt tggaagtgcg aggcctgcaa gaaagggaaa tccgtctcgt tctgaggcac 300
tacagttgca ggaatgggccc gctgagcatt gctctgctcc ttaccggggc cctgaattat 360
gggactgccc aagccatgcc gatattgatg agaggacaga catctgggct ctaggatgca 420

ctcttttttgc tatcatgtac aatgtttcac catttgagta tgctct 466

<210> 23072
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B4

<400> 23072

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agcatggcaa gttcaagcac ggcaagtttg gcaagcaca gaagatgttt ggcaagcaca 120
agaatatgtt cggtcgcaag tggaagtgat taacgtacag ctttaatccg attctggacg 180
agcagacgta tatatataca ccggagtcca gaatgctaag ttatgctatt ttgattgtga 240
ttcgaatacg ggaggttggt aggggttttcg aagtacgtac tgacggctgc ctgtaagctt 300
tgttggagct gttcttgccg tgttggcagt ccgaattaat ttaaccatcg attgtgtcga 360
acagcatctc cagctgccga caaatagacg agtgatcaaa gttttttttt 410

<210> 23073
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B5

<400> 23073

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atatatatat aattctgcc aagacaaagg aatggagtcg tcacgcatgt tccagccggc 120
catcatcctg cttctcctgc tcattgtgac caccgatgtg gcgcaggcgg cgagggaatg 180
cgagaaggac agcgagcgat tccttggggc atgcatggcg tcggacaact gcgccaacgt 240
gtgccgcggt gagggcttct ccggcggcag gtgcagcacc ttccgccgcc gctgcatctg 300
cactaagccg tgctaaatta acctactccc ggcagtttcg atggtggacg tttattctat 360
ctattggctt acttgattat ttttccccta acaataagaa aacgcacgtg ctggcatgt 419

<210> 23074
<211> 440
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B6

<400> 23074

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gacgtcgatc gtgtttcttca gcacgggcta gctagctccc tccctcccag ccatggcgac 120
gccgttgcac ctccatttcg ttctggaatt ggggcgttgc acacccatgc cgtcgcgttg 180
ccttgggttg taggacaaca aggggcacgg gcatccgctg cccaagtttg gggagtggga 240
cgtgaagaat cgggccacgt ccgagggtt caccgtcata ttccagaagg cccgcgacga 300
caagaagacc accaccggcc ctggggctgg gaacgcgcgc gcaggcattc cggcggcctt 360
caggaacggc gggggcgacg ggggtacag gcccgacttc ggcgacggca accagtacac 420
gctcgccaaa cggaagaagt 440

<210> 23075

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A12

<400> 23075

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aatataaaca tttttactcc agtattcttt gtatgatagt ctaacggttt ctcatatgca 120
gagactcttg tacattcaac attggatcag tgcgacagtg ctgattatac cctagaagtt 180
ctcttcaata tgaaaaatca cacagtgcac gtgaagaaaa ggccttacct gaaagtgttt 240
cttgagaagg ttgctcagat gtttgagctc gtcattctca cagctagtca gagaatctat 300
gctgagcatc ttatagataa acttgatcct gatggaaaat atatctcacg gcgtatttat 360
cgtgaatctt gtatattctc tgacgggttg tatacaaagg atctgacaat cttggggatc 420
gacttggcga aagttgcaat agttgacaat actc 454

<210> 23076

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G5

<400> 23076

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gcacggtggt gagegaggcg cacagcgccg aggtgttgga cgccatggct gtatcgaca 180
tgcacgtgca catgttcaac tcgcacatcg acgctgtgac gccccccatt ttggctgccg 240
cgagctcctt gcacggggcg cgcgaggtgg tcgtcatgat tgactatctg gacactgacc 300
gcgacgggtt tttggacc 318

<210> 23077

<211> 98

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G6

<400> 23077

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aagaataaat aaaaaataaa aaaattaaaa aaaaataa 98

<210> 23078

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G7

<400> 23078

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tggcgaacct acggcaggac gccatcgacc tccaaaaggc cttcaaaggg tttggctgtg 120
acagtacaac agtgataaac atacttactc atcgcgattc agtgcagcgt ggactcattc 180
aacaggaata cagggctatg tatcatgagg aactctcca tcgcatttca tctgaactca 240
atggaaacca caagaaagct atgttgctgt ggattcttga tctgtctgga cgtgatgcaa 300
ctgttttgag agaagctcta 320

<210> 23079

<211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-G8

 <400> 23079

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 ctcaaggtaa gcactattta ttttataacc ttgaatgacc tactttaaaa accttcttgt 120
 ttcaatttgt cttcaagtga tcttgctcgg tgttctgata gtttttttac aagtgaaagg 180
 tatggatctc gctcacctta ctcgagaagc acaagggtacc gaagtcgctc taggagtgtc 240
 gactctagtg atgctgaaaa ccctgggaac aacctgtatg tgactggttt gtcggctcgt 300
 gtaacggatc gagatctgga gaagcact 328

<210> 23080
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-G9

 <400> 23080

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 aagtactcgc aggagccggg caaccctacc aagtcggcta aggccatggg cagggatctg 120
 aggggccact tcaagaacac aaggagagaca gcctttgcgc ttcgcaagtt gtctttgacc 180
 aaggctaagc gataccttga ggatgttatt gtcacaagc aggcaattcc cttccggaga 240
 tactgtgggg gtgttggtcg caccgcgcaa gctaagtcgc gccactcaa tgggcagggc 300
 cgctggcccc ttaaatcagc caggttcacc ctggatttgc tgaagaatgc tgagagtaac 360
 gctgatgtga aaggcttggg tgtggacaac ctctatgttt cacacatcca ggtgaatcaa 420
 gccc 424

<210> 23081
 <211> 320
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-H1

<400> 23081

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ccaggtccgc cggacggagg cagcagcagc agcagtactc ctctagaacg gaatccaggc 120

accaggagac catgaaggta tccgtggcga catgatgaac ggccggatcc tgcattggctc 180

tcaagaccac gagatgtcta cacgatattt ctgcgcctga ggaaacgtcg atggagcccg 240

caggacatat aggacttcga tttctccgtc actgttgtct cctgcctgag cactgcgcgcg 300

atgggcgccc cgatgctatc 320

<210> 23082

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-H10

<400> 23082

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ccgcctcttc ctctattcca aggatattaa gctctatgga gagatggctc accaagaatg 120

aattgaacaa caatatataa ggctcgcatgc gcaaccaaac agctacatgt acattgcagg 180

cgtgtgtgaa attgcacact aacgaacgaa ctcttgctcc gatcacgagc tagctgaagt 240

cgacgatggc ggctgtgctg aacagcaaga agacgccgca ngcggtggtg gccgtgctgg 300

tggcggcggc gctgctggct tcgtccgctt cggcggcgat cacctgcggg caagtggggg 360

cgtcgctggc gccgtgcatc ccgtacgca cggngagggc cagcgcgctc cccgcgtcgt 420

gctgc 425

<210> 23083

<211> 441

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-H11

<400> 23083

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acggtgatga agacgatcca cacggagaag ggcagctgcc tcgccaccga cagccacatc 120
acgtgcaagg acggcaaggt ctcccaggac atcctgctca ggctcaggga caccgagacc 180
ggcgatctcg tcttgcgctt gacctgggtc aacatccccg gcgtcgcgcg gtgaatcatc 240
ccctcgatcg gcggggacgg ggccagggca tgaggcggcg gcgacccgac tctgcccag 300
ctgattatac atccgtttac ctggtattgg cataaggaga cccttggatg cgtgtaatgt 360
ttgtttgcag ttctgataag gtgtgcaaga aagctcatgc tactgggagc aatgcttgta 420
tctcagttnt gcttctgcgg g 441

<210> 23084
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H12

<400> 23084

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cgcgccacag ctgcagacct cttctacatc atcgccgtcg ctgccctcag agcggccgat 120
gcaccggcag agtcaccgaa ggcaggctgt cctgccaaagg cacctgccga gtaaccgaag 180
gcacgcagcc ctgcaggctc tgacaaggca cccgagtctg ctgccacgag aactgcccc 240
gctaaggcac ctcaagccac ctgcacaccc gacgatgcac gctgacccat cgtcgtcgac 300
gtctaggaag tctggtccag ctgccgcgac gaccaccggc gtctctacac cgtcatatta 360
cacggacgaa gagatgagcc 380

<210> 23085
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H2

<400> 23085

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catggctatg gctcgtctcg tcgcgcacct cttctttccc atcctcctta tctccaccgc 120
gcccgccgtg cgggccatca ccgacgccg cggcgggccc ggatacctcc aggaggcgtg 180

caacaagacg ctgttcccca aggtgtgcat gcacgcgctc aaggacaacc cagagtgccca 240
ggcggagacg gcggtcaccc cgcgccggct ggccgagctg ctcggtgtacg tgtcggccga 300
ggtgggcatg accgtggccg cgttcgcc 328

<210> 23086
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H4

<400> 23086

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tggctatggc tcgctccgctc gcgcacctct tctttcccat cctccttata tccaccgcgc 120
ccgccgtgcg ggccatcacc gacgccgcgc gcggccccgg atacctccag gaggcgtgca 180
acaagacgct gttccccaag gtgtgcatgc acgcgctcaa ggacaacca gagtgccagg 240
cggagacggc ggtcaccccg cgcgggtggt cccgagctgct cgtgtacgtg tcggccgagg 300
tgggcatgac cgtggccgcg ttcg 324

<210> 23087
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H7

<400> 23087

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tgcaagatgg cggaggagaa ggcggcgga gtggggcgac tcggaggagc cggggcggcg 120
gacgcggcgc agcagcagca gctggcagca ggggaggccg cggcggcgcg ggtgcggccc 180
gtggagacgc tgcttcgcgc ggcaccgctg gggctctgcg tggccgccat gaccgtcatg 240
ctccgtaacc agcagagcaa cgagtacggc gccgtgcct actccgacct gggaggcttc 300
aagtacctcg tctacgcaa cg 322

<210> 23088
<211> 324
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H8

<400> 23088

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ccgccgtgcg ggccatcacc gacgccgcgc gcggccccgg atacctccag gaggcgtgca 180

acaagacgct gttccccaaag gtgtgcatgc acgcgtcaa ggacaacca gagtgccagg 240

cggagacggc ggtcaccccc cgccggctgg ccgagctgct cgtgtacgtg tcggccgagg 300

tgggcatgac cgtggccgcg ttcg 324

<210> 23089

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H9

<400> 23089

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aaactaattg gtgccacaga cccacagaaa tctgaaccag gaaccatcag gggatgatctt 120

gccattgttg ttggaagaaa catcattcat ggaagtgatg gccagagac agcgaaggat 180

gagatcgctt tatggtttga acccaaggag ctggtctctt acaccagcaa tgcggagaag 240

tggatctatg gggatgaatta acgagagagt caatctgttt ttttcccttc tttgatctc 300

ggttttcaca taattgccga cagacctagg cacaaggatg taataaagtc gctaccgtca 360

cttctgagtt ggattgtgac cttcaggtgt agtaaggcac aaggaaggat ggaaggaaa 420

ggaatatacc gtgaaa 436

<210> 23090

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A1

<400> 23090

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 ctgttctgtt gtttagttcg caaagccttc tgtttcggcg accatggagg atgagaggaa 120
 caccagcag caccagggcg gtgaggccca gcaggacgcc gccgatcagg tggacgtgaa 180
 ggataggggg ctcttgga gccttctcgg caggaagaag cacgacgacg accaggagaa 240
 gaagaagcag acggatgagc tggcgaccgg catggagaag gtcacggtgt ccgagcccga 300
 gaagcacggg cacaaggagg aagagcacga ggtcgtcggc gagaagaagg aaggccttct 360
 cgccaagctg caccgcacca gttccagctt cagctcgtcg agcgacgagg aagaggaggc 420
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<210> 23091

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A10

<400> 23091

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 gctgcagcag aacgcgcggt gccagccac gctggtggtc gagctggcg tcccgcacga 120
 cgcgctgtc cgcgagctcg gcgcccacgc gggcgcgcg atcgtgctgg aggtcgagaa 180
 gcgcgccgag cagggcaccg ccgacggcaa cgaggccatc gccaccaccg accacgacgg 240
 gtgggtgctg gaggagctca tgtggaccat gttctgcaac ggcaagagg tgggctacgc 300
 ggtgcggcgg gacccaccg aggaggacat cgcctgctg gagacgctgt gggccgtctc 360
 catgggcggc ggcgtgctcc ccggcaggtc ggacatggac ggccccgac gcgagatggc 420
 gtacatgcgc gggagcttcg agcacaccgt c 451

<210> 23092

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A11

<400> 23092

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tgtacatcac ggggttggtcg gtgtacacgg agatcacgct actcaaggac ggcgccccgcc 120
 caccacaggcc cggcagcggc gtcacgctcg gcgagctgct caagaagaaa gccggcgagg 180
 gcgtacgtgt gctcatgctc gtctgggacg accgcacctg cgtcggggcg ctcaagaagg 240
 acgggctcat ggccacccac gacgaggaga cgatgaacta cttcgagggc accgacgtac 300
 actgcgtgct atgccccgga aacccccgac acttcgggag catcgtgcat gacctgcaga 360
 tctccaccat gttcacgcac caccagaaga tcgtcgtcgt cgaccacgac atgccgggtgc 420
 agcggtcgca tcggcagc 438

<210> 23093
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G4

<400> 23093

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 aacagcgaca agaatgcagg ctccgggagtg gctctcgga gcaacaggag ctggcatcca 120
 tcgtctggta accctagtcg gggcggccag gggaatcacc aacatgacag ggactctcac 180
 agcggtgatt cgcggcgggg tagctcgaac tcccccgga ggtccgacaa tcgtcatgac 240
 catggcagtg gtggttcgtc acgaccctcg tcaagagggc agtcccagag ggggctatgt 300
 aaacactacg agagtggcca ctgcggg 327

<210> 23094
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E3

<400> 23094

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 atcacatgtt gcgagggctg ccgcacatgg tgtgaggtgg tgagcgccgc atgatgctga 120
 ccatcccact gtccttcata cgctaggatg ccagtcacac tatgagctgg actgtttgtg 180
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taggaactac atgacctaga gcctgtgggg ctccaataac gtgtg 285

<210> 23095
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E6

<400> 23095

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ccgtcgttga ggaccacct cacgccggt tttgacgccg tggccggtgg ggagggcggc 120
gtgtctgggt actcttcac gtcgtcttcc agcgggtctcg aactcgggtt cgacgcctct 180
ctcctccgca accgcgctc cggtttcgcc gccccctcgg acctggacag ccgtgtcctc 240
ctctactccc cgcagtcctg gccgccgcag atgagggcgg cgtacctggc agcggatgat 300
ggggtcaggg cacctggcgt caacc 325

<210> 23096
<211> 177
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-E7

<400> 23096

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caagaggcaa ttcgttcac tcgaagaaat tgctgctaag ggtgagaaga ctagcccaca 120
attgcgacaa catacttctt taccaagaac aggtcgattt gtacngtttc ttcttgc 177

<210> 23097
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E8

<400> 23097

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gtctccgtca aggacgtcac gttccgcaac atcaccggca cgtcgtccac gcccgaggcc 120

atcagcctgc tctgctcgga gacgcagcca tgcagcggcg tctccctcat cgatgtcaac 180
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 gccaaagggaa gcatcgaggc actggcttgc ctggtctgat gatgaccttc cttttgcatg 300
 catgcatggg atctcatcct tgatgatgat 330

<210> 23098
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E9

<400> 23098

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 gtgttatcta tcaacttcaa tcaactaatt ataatgggtg cacaactggt gtcacgcgca 180
 tcattgaaac gatacaatat gttagcgggg tcctgaaata tacagctggt gtttgcaggc 240
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 taacagtaga tgcagtcgag aagttcttgc gaatgcagca gatgctcggt ccaatgagat 360
 atgcatacac aaacatcatt gctatcaccg gccatttcag agacaagctc ggacaagggtg 420
 gttacgggtc tgtatac 437

<210> 23099
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F10

<400> 23099

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 atttgagggg gcacttggtt gagaaccttc tcaagcaccg tgatttcttg acggatacaa 180
 agcttgctat aagcgaacaa tatcagaaaa ccgatacaga tttcttggaa tcggaagcaa 240
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atgttgcaaa tgttggtgat tctcgtgctg ttattttcaaa agctggcaaa gctatggcac 360
 tttcagaaga tcacaaacct aacaggattg atgagcgaaa gagaatagaa aatgctggtg 420
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<210> 23100
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-F11
 <400> 23100

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 aatcttgcta taaccgaaac atatcataaa accgatacag atttcttgga atcggaagca 240
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 ctttcagaag atcacaaacc taacaggatt gatgagcgaa agagaattgt aaatgctgat 420
 ggtattgtca ttt 433

<210> 23101
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-F12
 <400> 23101

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 gtaccccgct gggcagaaga tcgtgttcca catcgagaag ggctgcaacc ccaactacct 180
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 cactgccaag gcgctcaagg gcccttctc tatccgctc accagcgagt ccggcaagaa 360

ggatcatcgct aaagacatca tcccggcgaa ctggagaccc gatgccgtct acacttccaa 420
cgtccaattc tactagactt tgaatt 446

<210> 23102
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F2

<400> 23102

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gtctatgcc a cttgctgctg tgaagtactc ccgtgggacg ttcattcttc ctggcgacaca 180
gccagcccc cacaggagct tctctgagga agttgctgca cttaaccgct actttggcgg 240
cctgaaatct ggtggtaatg cttatgtgat tggagatcca gcaagacctg gacagaagtg 300
gcacgtcttc tacgccactg ag 322

<210> 23103
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F4

<400> 23103

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cgccacggca cggacacggc tggcgcggtt tccgggcggt cacgggaagg atgatgctgg 180
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tggcaggcca ggcgcagccg cagcgccgcg cgggtggggc cgtgccccag gcgcacgatg 300
gtggctacgc cagcggcgga tgggaa 326

<210> 23104
<211> 329
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F6

<400> 23104

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gaaggagttc tgtcatgcaa gggctccaaa gatgatgctg gatttgcatt caggtggcag 120
ccacattgtt gatgggaact ggaaggcatt ggggaagctg ctcatctatt gcaatggctg 180
cacaaaaggg gggctgttta ataacattca cgttccaggc catTTTgtgt tcaggacacg 240
cttttctagg actgcgggca ggagtttctt gcctctgccg tgtaagtctg atgtcctgta 300
tgtgtcagat ccatgcgagc atcttgatc 329

<210> 23105

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G1

<400> 23105

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cggcgtcggc cgcggacgcg gagatgcaga ggggtgttctg ccgcatcgac gcggaaggcg 180
acggccggat ctccgctcg gagctggccg cggtgacgcg cgccatctcc ccgccagcga 240
gtcctcgcga cgggcgccgc gaggtggccg ccatgatgga cgagctggac acggaccgcg 300
acggcttcgt ggacctc 317

<210> 23106

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G10

<400> 23106

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aatgaaaaca ataaaggatc atcatcacgg ttcttgcaag ttgggttgca gggatacggg 120
caatcaatct gccgagggac ctccctatcg tagtaccagt cccccaccgt cttgccagaa 180

ccgtgatgat gattgagcaa ttgtataagt agttcatggt atcgaaatga aaacaataaa 240
 ggatcacaac gcgcgcccgt agttgtagat gatgaattat aaacacatat gactgagctc 300
 aaagttgttt aatcatcatt tgttgcgaaa tgaggaagac aattggtgtc ttgaagctgt 360
 gttttcgact gtgtctaaag cgtaaagtga acgtatattg tgtcttcgcc tatgcttaag 420
 acattggact agttgattgg tcaattt 447

<210> 23107
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G11

<400> 23107

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 gcgtcttcct cgctcgtgctc ctcttagccg ccgtcgccat ggccgcggtc gggggcgcg 120
 cgcgcatcga cgctcgtcgcg ggcaggtcca tggcgtccgc ggacgcaccg gagggcgccg 180
 ccgacgtccc cgctcctgct cctggccccg actctctctc gaccccgctc ccggcaccct 240
 ccagcagcag ctcttcgcgc tagccgcccc gcagagatat ctacggcgctc cgatcagtct 300
 ttggcgccac ctataacctc tcggatcctg caaagctata tatgattcta tgggtataatg 360
 tgtggttgcg gcaaacgcgc ggaaataatg tgcttgctg attgtttttc tctctctttt 420
 tttggttaat aatgtaaaac 440

<210> 23108
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G12

<400> 23108

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 aacaacaatg gcaacatggc cagaatgttg gctggctcga ggagatattt tgggcacagg 180
 aggaccataa gacccaacac taagaaactt tactcattat ttctgaatcg gaccagcatg 240

agttgggaca catttgcac taaagtcag acctttcaaa agggattcat gggggagccc 300
aatgagatta aactaggaag aggcgaattc catgagcatc ctgtagattg catttgtgca 360
aaatcgaagg gaaaaagcgt acagagcagg cctcacctag ttaaaggcgc ctgagaagct 420
gtggagaacc attctattga tg 442

<210> 23109
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G2

<400> 23109

caccctcgtc tcaccctccc tccctcacac aaataataag gaaagggtccc gcccttttcc 60
tccgacatcc acaagggggg aggggaaaac acgtacattc acccggcggc aataatggcc 120
tcggttccgg ctccggcgac gacgaccgcc gccgtcatcc tatgcctatg cgtcgtcctc 180
tcctgtgccg cggtgacga cccgaacctc cccgactacg tcatccaggg ccgctgttac 240
tgcgacacct gccgcgccg gttcgtgacc aacgtcaccc agtacatgc gggcgccaag 300
gtgaggctgg agtgcaagca cttc 324

<210> 23110
<211> 319
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G3

<400> 23110

cggacgcgtg ggctagttct agatcgcgag cggcaagatc aaagaggggtg tcgtcatggc 60
gataatgcat ccaggcattg ctgcaggctc cgcaaccctt gcagggatta tccttttcaa 120
aaggccaagg agctacctta ttcaacgagt acgacacatg tttggtagca aggaagtaac 180
caccctatgc ccgtttgatt agcacataat tcctgtaact tgatagattc acgctcttca 240
aagttaacca tctttcttga ttcatactct tccaaataaa ttctccattt tgcttatact 300
aggtggctat ctattcacc 319

<210> 23111
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-E2

 <400> 23111

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 cggcaccgac cgtctgtgcg gtcaaattctc cggcgagcac aacgaccaca aggaaacacg 120
 aagcagccaa agaagagacg gatgcgcctg ccaaggcacc agctgctgca gccaccgagg 180
 ggctgctgca gggagcgccc atgacatggc cggatggcgg gcctgagttc gtcaagatgg 240
 tcatcaagaa ccccttcttt aaaagcgcac ctccatctgg tagcgaagac ggcctacca 300
 ttgaccccac tccagaaggc agca 324

<210> 23112
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-C4

 <400> 23112

 cccacgcgtc cggttcacag tccccactcc acctccttct acaaatacac ctcagtggca 60
 gtccccacc atatcgctt ccctacccc cgcattcacct accaacgaga cgccggcgcc 120
 atggggggcct tcgcgaagga ggagcaccag ttcctcgccg agctcggcct cgcgcagcgc 180
 aaccggggcg cgttcgcatg cgggtgctgg ggcggctcag gtcccaccgt cacctccacg 240
 agcccgacca acaatcaggt catcgagag gtcgtggagg cgtccgtgca cgactacgag 300
 gagggcatgc gcgctgctt c 321

<210> 23113
 <211> 318
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-C5

 <400> 23113

 cggacgcgtg ggcggacgcg tgggtttttt ttggaaaata aaaaataatt atatttcgat 60

aaatatatta tttaaatcaaa gtttatagaa accgtagcag tgtatggata actaactacc 120
 attttatgtc tgaccaagtt tgtttaaatg aatcagacac gaccaaattgg gagagtgaga 180
 agggacatct acatctgttt aacacaaaag ttggcactca tcagcctatg cgaattacag 240
 gtgcttcgaa gacagtgtta ttagtggcgc agcttgcatt tgtatccatc gtttcatccc 300
 ccagctcaac attttcag 318

<210> 23114
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C6

<400> 23114

gttcaaggag gtgaccaagc gggagtacac gcagtacagc gagtacaaga actgggtgtg 60
 gaagtcgcag gacgacctgt tectcaacgg cgccttcttc aaccagtcog ggggccagaa 120
 cgagcgcaag tacgacaggc togacctcat ccaggccaag ggcggccagt acgccgagtc 180
 gctcaccagg tacgccggcg cgctcaactg ccgcgtcggc aggaagtgtc agtgcgtgtg 240
 cagctctagg ctgcagcttt catcattggc gatcgatcgt aacaatgcaa ggttgtgttg 300
 tatataactc ttgtgtttgg aatgc 325

<210> 23115
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C8

<400> 23115

atcacgaaa gatggcgtgc aaaaacaatg cgatgagagc cttgttcctc ctggtcgtct 60
 tctgcatcgt gcatggtgag aaggaagagt caaagggcat cgatgcgaaa ggcgtccggc 120
 ctggtgggtc cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180
 cgaaggctgt gcaggaggca tgggcatcgg catgcggcgg cactgggaag cagacaatcc 240
 tcatacccaa gggtgacttc cttgtcggac aactcaactt cacaggccct tgcaagggcg 300
 acgtgacat ccaggtggat ggcaatc 327

<210> 23116
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-025-Q1-K1-C9

<400> 23116

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ctgggcgggc gccacagcat cggcgtctgc aggtgcttct tcatcgagac cgacgcggcg  120
cccatcgacc ccaagtacaa gaagacgata agcgacgcgt gcgacggcaa ggactcgggc  180
tccgtcccca tggactccac ctgcccacac gacctggacg ggagctactt cggcctggtg  240
ctggagaaga agatgccgct caccatcgac cgctgatgg ggatggacaa gaagacggag  300
cccatagtga aggccatgtc cgacaagacc accgacttcg tcccgtcttt cgccaaggcc  360
atggagaagc tcagcgtgct caaggtgctc acgngaaagg aaagcgagat caggaagacg  420
tgctccgagt tcaacaaccc gcag                                     444
  
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<210> 23117
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D1

<400> 23117

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cggacgcgtg ggcctcgacc tcaagaaagg cggcaacggg cgctacctca agacggcggc   60
ctacgggcac tttgggaggg acgaccccgga cttcacctgg gaggtggtga agccccctcaa  120
ggcggagaag ccgtcttctg catgaggcgc ctctctgtt tcggaagaag cttttggtct  180
ggtctgcctg cgctctatca tgctttttta tggctcctac gtgttgatgat tcttgatctg  240
ccccttgctt atcatttgta ttgtactgtc actgtcctaa taagtggtag gtgtgcgggg  300
tcgtattgtg tctgct                                     316
  
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<210> 23118
 <211> 390
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D10

<400> 23118

ccctgcccac cagcacaacc accaccaccg ccgcctggcc gtaacgtcac acgctcgcgt 60

ccttccatgg cgcccaggaa cgctgtcccc gccgccagcg ccgtggccaa cggcattggtg 120

atggagccga ggttccgcgg cgctccggaag cgcccgctggg gcaggttcgc ggccgagatc 180

cgggaccggg ccaggaaggc gcgcgtgtgg ctccggcacct tcgacaccgc cgaggccgcg 240

gcgcgcgcct acgacgccgc cgcgctccac ttccgcgggc ccaaggccaa gaccaacttc 300

cccgtcgcgt tcgccgcgct tccgccgcgc cgcccaaga agccggccgc cgtgaccgtg 360

agccccagca gcagcagcac cgtggagtcc 390

<210> 23119

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-D11

<400> 23119

gccagaaatt gtcaagaaga catactgttt gaagatcagg caagagctga tgcattcggct 60

tccagctgtg acgagtcgag tgggtgtagca agccttaaaa ttcagatttc tctgttgaat 120

ataagactga gggcacttga agaggatcag gagttcctca atcaggtatt gagttcgcgc 180

caatgtggta gtgatgggct gcagtgtata caggagataa gcaggcactt agcagagttg 240

cgaagagttg tggctcacta aaatgaaaat ggttttgccc cgagttcaca ctttttggcc 300

gtcatgaggn tctnctttgt nacggcaaac ctatttgcag cctgctatct ag 352

<210> 23120

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D2

<400> 23120

cccacgcgtc cgggggttgca aagcgtgccc catggctcag ttggagctgt tgcaggtcgt 60

cgtgctatag ctcagggaaa ccctgatgaa gttgctgcag cattgtgtag atattcagca 120
ccagaagagg ttgatacttt accatcaaca tgtggagcct gtggaacaga atgcgtcaca 180
cgtttctttg ctacaaaaat cccatatttc cgggaggtga ttgttatggc aacaacatgt 240
gacatgtgtg gttatcgcaa ttcagagctg aagcctggcg gtgaaattcc agctaaggga 300
aagaaaatta cactgcgtgt tca 323

<210> 23121
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D3

<400> 23121
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cagatggaca acccgatggg acctcctcca atggggccag ggcccaacgg gcacttcattg 120
ccaccgcaa tgcctttccc agacatggtt cctccctcca cattcggtgc ttccgccaca 180
gccaaagatca gcgtcgatgc atcccttgct ggtgccatca ttgggaaggg tggtagcaac 240
acaaagcata tatcccgagt gactggggcc aagttagcca tccgggacaa cgaggctgat 300
cccaaccata aaaaca 316

<210> 23122
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D4

<400> 23122
cccacgcgtc cgcccacgag tccgcccacg cgtccgccag ataccaaggc acggaggtcc 60
atgaccatag cagcaatgac atggctgtgg tgatggggct ccggcgagca attcccatta 120
cccagccaca tctcccgttg aattgagagt tgttgaacta caacatgcgc tcaaaaacct 180
cttagccctt tcccctgagc ccgaacaacg ccgagggcgt gatacattgg cggcgacaac 240
ctctctttct ctactacct ctgacctatc tgcattgcac aagcgggatg ctcatgggtt 300
tcattcaggtg accatggttt gagg 324

<210> 23123
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D6

<400> 23123

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ggaatccatg gaattgatgc ggagcttcga ctggacacgg ggaagctatc cggaccgcca 120
atgtgatgaa cggccagtcg gaactcgggc aatggctcac cggaggagtg gcgtccgtcg 180
cgggcccgct tccatcgtag gcgttcgtct ccgtgccga atccgtggtc aagaacatgt 240
accacatgat gagacgcatg gaagatgttg cgatgtgttc gtgagaggtc taggccgtcg 300
tctcccagtc aacttcgggt tgctgga 327

<210> 23124
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D7

<400> 23124

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caatctcatg gcgctctcct gcatgaggtg ccccgcgggc gccggcgccg cctccgcccg 120
acgcgccgca gcgcagccgt tggccgcgga ggctgcggtc tccttcgcca gatgccgcgg 180
cttcgggagg tccgccaccg ctgcgacttc cgcttggttt tggcgcaacc atgccgttgc 240
ctcacaggga gtgaaagctc ccatggatgc tgatgtcaag aatgctgtca tacctcctac 300
ctcaccaaag gtggaaa 317

<210> 23125
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D8

<400> 23125

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 cgtegggtgtg gtcgccaccg tcacccgctc eggcaagaag gccggcgaca acttcacgg 120
 cccgggggag gtttcccttg ccacgtccgg caagtcggtc aagtccctgt gcgcgcccac 180
 cctatacaag gagtcgtgag agaagacact gtcccaggcc accaatggca ccgagaaccc 240
 caaggaggtg ttccacagcg tggccaaggt ggcgctggag tcggtccaga cggcggtcga 300
 gcagtccaag tcgatcggcg aggcca 326

<210> 23126
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D9

<400> 23126

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 tccgggctcg aaacgagggg gcaagtcgca attgacgac aaatcttaga tgttacacgt 120
 gactttgacc tttcacatgt taaaaattaa gaagtcgaca cgctacactc tgaaatgtta 180
 tatattatgg acctaggacc taaaatcttc aatatgtgat atatcatgca atatgcggtc 240
 tacatagatc attgatcctt taatgcatca cacatgacaa tatgatctaa gatcttatac 300
 cagattctac tgattactca tacttgatag 330

<210> 23127
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E1

<400> 23127

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 ttgagcagca cggtcataac attgctgatg ccaagaaaga tgatcctcta tgttcactac 180
 atcttgact atgtcctgag tgttaccggc caaacaaaac accttgaggat gcagcgacga 240
 caggaactac ctctacagga accggtttta cgagtaattt gacgacgcgt ggggtggagca 300

gacctggtgg gaagta

316

<210> 23128
<211> 343
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-E12

<400> 23128

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tctacagcta gcgttgcaatt gcatgacgat atggacctac actcgcgggc aaagcccatg 120
gacaccgncg tcgccgtcgc ggtggcttgt cggcgccgcc gcctttcttcg gccgggtggg 180
caaccccgcc ttaacaacaa gcccaatggg gtccaagcca aggccaacat tctttttgaa 240
gaagtcgggt ttaccaaccg gcggaaaggc ccgggcttca ttagccgggc cacgtggcaa 300
cttcgggccg ggtcaacgct tttccagcgt ggattccagc cta 343

<210> 23129
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C3

<400> 23129

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ggcggccgtg cgcgcctggg tgggtggcgt ggcgctggtg ctggcgtgcg cgtgctcca 120
gccgggccg tccgacgccg cggcgagcc cgccccgag tcgccggcga cggcggtgtc 180
gtcgggcgcc gccaaagcca agtgctggc cggcgccagg aacgaccacg cgtgccgcgt 240
cggcgccgtg cacgaccgg acagccagga ggaggaggc tccagcgtca ccatcgacgc 300
gcccggcgtc gcgcccg 317

<210> 23130
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A4

<400> 23130

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ttacaacgat ggaggcgaca tgttctgggtg gacacgagct tattctcaca tccagcctaa 120
atgagggttaa gatctgggat gccttctcgg tatctgcagg gcctttgcac acatttgagg 180
cctgcaaagc tgctaggttt aaccactctg gaacttcatt tgctgccctt tctactgata 240
cagctcaacg ggagggttcag ttgtatgatg tgcagacata tactcttgct acacagcttc 300
ctgataacac tagcagttca 320

<210> 23131

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A5

<400> 23131

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aaaagtaaaa gatgcaatta cttccttaaa cgctaagaag actatcaata agaaaaatac 120
acggagtcgg cgtcagaaga aactgaaagc atatgacctc tcagcaactgt ccgagtcctt 180
cccagaacca ggtgcaccaa agcagaagcc tgaagcaaag ttgaactgca agtcaagaca 240
gtcattagta ttacgggagg ctgctcatct caaggttgtg ctgggaaaga tgcagttcca 300
gcttgacca tttgctgcga tcca 324

<210> 23132

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A6

<400> 23132

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tagttttcgc atcagtgatg ggcacacttg gcttccaagt gctgatcgaa tcagggcgcc 120
agctcataac tcaggagcac gcggatttca agttcaagca agagctctgg atggtcatta 180

gcatgtcctc tgttgcggtc gtgaagttct tctcatgct ctactgccga acgttcaaga 240
atgagatcgt gagggcctac gccaggacc atttcttcga cgtaatcaca aactctgtcg 300
gcctggctc ggcgtgctc gctgt 325

<210> 23133
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A9

<400> 23133

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gatgagacgg gatctgcgcc ggctccggca ccggcgccgg gcccgacgac cagttgaagc 120
gaggaagggtg gccaaaactg agggcccgcc tactatcttt tgctataact aaagataggg 180
ccaagtttaa tttctccgat aaattctgtc cgagcaaaaa gtatgatggg gtttttagtc 240
gagatggtaa ataatgtatg acgcgcgtgt ggaccaagag tcatggcttg ctgtacttgt 300
ggtttctgag ctgcaacact caatcgacta ctaaactaag gtaataacta ggtagtgcc 360
cgtgcgttgc aacggaaaca tatattatca tgataat 397

<210> 23134
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B1

<400> 23134

agcgaaccta caagaaatat ggagaaagga gaagtggtag aattcactct gcctttccat 60
tcccccatcc gccatggcgg cgcgcgcgga gctcgttgac gacacgatcg ccgagatctg 120
cctccgcctt ccccgagacg agcccgcgca cctcgtccgc gccgccttg tctccaggcg 180
ctggcgccgc atcctctccg gcggggcctt cctccgcggg taccgcgcgt tccacggggc 240
gccccctctg ctgggcttcg tcgacaacac catcgggctc caccggcgcca cggcccctcg 300
cttctcccc accacct 317

<210> 23135

<211> 118
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-B10

 <400> 23135

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 atggcgttttt ttggcaccag accaccaag aaataagtta tgctacatgt ctcttctg 118

<210> 23136
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-025-Q1-K1-B11

 <400> 23136

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 aacaagccat gatggattcc gtgccaagaa ccaaattct tcttgcaagg cccttgaaag 120
 tttcaaaactg gtgatggcat ccactagggg caatccaatt tttgcatgg tgacgaaacc 180
 aagtagaaga tggcacccta acaagttata ttatttcctt ttcttatact gcttagatcc 240
 aaggatgtga tggctgaac cctaacgggc tctgctatc ttgatttgac gtctgggaga 300
 cgcttgattc cgtgcctgtg ggttgtaagg cgtaaaact tgactntgtt agtgtactcc 360
 caatgatata acccaatcct gggtaaacia acgcatggng atgaattttg gacgaaacca 420
 tggacaactg atgtgt 436

<210> 23137
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-B12

 <400> 23137

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 gccctgctcc ttgtgagggg tcatgtgttc ttgggattat tgagaatccg gtgtctatca 120
 aaagtataga atgtgcaatc atagacaaag gtttcgaaga gggatggatg attccacgac 180

ctccacttca aagaacaggg aaggtggcca ttgttggcag tggaccagct ggtttggctg 240
 ctgcggatca actaaacaaa atggggcatt ttgtaactgt gttcgaaagt gcagaccgaa 300
 ttggaggttt aatgatgtac ggcgttccaa acatgaagac tgacaagatt ggcattgtcc 360
 agcgccgtgt taacctaatg gcagaagaag gtgtcacatt tgtggtgaat gccaatgttg 420
 gtagtgatcc tctgtac 437

<210> 23138
 <211> 155
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B2

<400> 23138

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 tatcttattc atcatcgccc tcttattgca tctccttaac aactctatca tctagacatt 120
 cctcagcata ccacctcact accccccaca catcg 155

<210> 23139
 <211> 318
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B3

<400> 23139

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 cctccctctt cgtccccag cgacgcaggc aggcgcgcgc gcggccatga aggggggcgg 120
 tgccatgagg ccgtcgcta tgttctacgt ccacgaggcg gacgtcgtcc agatccacca 180
 cttctcgcag gagtgcctcc tctgcgcaa atcgtctctc ggcgacatct tcatgtacag 240
 gggtgacacg ccgttctgca gcgaggagtg caaggagcag cagatcgagg tggacagggc 300
 gaagcaccgg cggaagaa 318

<210> 23140
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B5

<400> 23140

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aatctcttca catgccaatg gagacctttg aactctgaac caaaagctct gatcttttcta 120
tgccatggat atgccatgga atgcagtatt tcaatgagag gcacaggtac aaggttggcg 180
caggctggat ttgtagtga tggaatggac tatgaaggcc atggaaaatc ttctggactt 240
caaggatata ttaatagttt cgatgacatt gtggttgatt gctctaagta ctttgcaagt 300
gtctgtgaga aagaagagta 320

<210> 23141

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-B6

<400> 23141

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ttccgccgaa cctacttggg cttcggcaag tcccggcgcg ctctcctcag agaactcggg 120
gagtcggcgc acgagggcgc cgtgctccca accgatggtc tccccgacga tttcaactgg 180
agggaccacg gcgcgcgtcg ccccgctcaag aaccaggggt cgtgcggggtc gtgctgggtc 240
ttcagcgcgt ctggagcgct ggaggggtgc cactacctng caactggcaa gctggaggtg 300
ctttcggagc agcagttcgt cg 322

<210> 23142

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B7

<400> 23142

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ttattcaaga ggttgacaag gataaggatg gtcgcatcag ttaccagag tttgaattga 120

tgatgaaaag tggatcggac tggaggaacg cctctagacg ttactcaaca gagaatttca 180
gcagcctcag tcaaaaactg tgcaaagata ctttatgaaa caagaaagta gtttccaagc 240
agcaattact gactgaagta ccacaccctc aacctcaact aaacagcatc aaagacaacg 300
caaaagcagg attactggat ct 322

<210> 23143
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B8

<400> 23143

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cggagcgcgt gttgaccgga gatggcgccg agcgggtgga ggaggagcgc ggcggcgcgg 120
gtcgcctggc gcccggccac ggtttgcttg tggctcgcgc tcgccgccgc cgcactgacg 180
ctcgcccagg ctaagaagga cctgacggag gttaccaca aggtctactt cgacatcgag 240
atcgacggca agcccgcagg cggattgtc atggggcttt ttgggaagac tgttcctaag 300
acggcagaga acttccgagc tctt 324

<210> 23144
<211> 239
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B9

<400> 23144

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ggttatatta tggcaccaca ccaccaaga aataagttat gttacatgtc ccttcgtgca 120
ccttgttgtg ttgggttaat acggttatat aaattgaaat acaatatgta tttaatattt 180
ttagagaaaa aaaaaactgc agaatacagc taaaggaaaa ctacaaacta acaaaataa 239

<210> 23145
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C1

<400> 23145

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gcgcccgtcc ttcttcctcg cctccgttcc gttccgttcc gtcccgcccg ccgcgcgcgc 120
cgcattcagg gatggagatg aagaagatcg cctgcgccgt cctcgtcgcc gcctcggcgg 180
ccaccgtggc gtcgcccgcg gaggtctcgg ctccggggcc caccagcggc tcctccgcgc 240
tcgcgcccgc cgtcggcgcc gccctcgggg ccgccgtcgc ctctttcttc gcctactaca 300
ttcagtgagc cg 312

<210> 23146

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C10

<400> 23146

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ttctctctcg gaccacctcc aaggctcttg gtgtagcttg ccactctcac caatcaagtt 120
ttcatgtctg atctcgacat tcagatccca actgccttcg atcccttcgc tgaggccaat 180
gctggggact ctggtgcggc agcaggggtca aaggactacg tacacgtgcg catccagcag 240
cgtaatggtc gcaagagcct gaccaccgtc cagggattga agaaggagtt cagctacagc 300
aagatcctca aagatctcaa gaaagagttc tgctgcaatg gtacagtggc ccaggacca 360
gaacttgac aggtcattca gctccaaggt gatcagagga agaacgtctc gaatttcctc 420
gtccaggccg gcattgtgaa a 441

<210> 23147

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A2

<400> 23147

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atggcgccca gcagcagcat agcagtactg ctgctcctcg tcgtcgccgt cgtcctctcc 120
aacgtccctt cctcgggcgc cctggcctcc tcgtcgctgt ctctgctgca ccagtcgtct 180
cctcctgaga gtgagactga gaccgactgt agcagcggag aatcttcgtc gtcgtcgctg 240
tcggacgagg aggaggccgg cgagaacgat aatgagaagg agcaggagat ggagaagg 298

<210> 23148
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-025-Q1-K1-C11
<400> 23148

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ataccagcca ccatgcgcct gtccctcttc ctcgctcgctc tggccgcctt ctcggcgcgc 120
accgcggcgc agctgccgct ggcgggcggc ggcgggcggc ccctgaagcc ggacttctat 180
agccagtcgt gcccgcgcgc ggagcggatc attgcgaggg tgatgcagac gaagcagatg 240
gcgaaccoga cgacggcgcg gggcctgctc cgcgtcttct tccacgactg cttegtcagc 300
gggtgcgacg cgtcggtgct gatcgctcc acccagttcc agaagtcgga gcacgacgcg 360
gagatcaacc actcccttcc cggggacgcc ttcgacgcgc tgggtgcgcgc caagct 416

<210> 23149
<211> 98
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-025-Q1-K1-C12
<400> 23149

atgtgttgaa cccttatgta agacacattc atgcgctctc tcaagagcgg tatgaatgct 60
tctatgctga actgatcact ctcagttacg atattttt 98

<210> 23150
<211> 322
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-025-Q1-K1-C2

<400> 23150

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cgagatcgag ggccaccacc tgagctctgc cgccatagtc ggccacgacg gcgccgtttg 180

ggcccagagc accgcattcc cacagttcaa gccagaggag atgaccaaca tcattaagga 240

cttcgacgag cctgggtttc tggccccgat cggcctcttc cttggcccca ccaagtacat 300

ggtcacccaa ggcgagcccg gc 322

<210> 23151

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G6

<400> 23151

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gctgaaatgc gccgccagga agaacaagct gtgggtgcag gtcggcgatc ccaacctgga 120

ccaccagtgc tgggtgcggc cggagaacat gaaggcgccg cgcacgctgt acgagatcga 180

ctcgaagacg cccgggacgg agatcgccgt cgagacgtcg gccgcgttcg ccgcctcgtc 240

catggtgttc cgcgacgaca agaagtactc gcgcaagctg ctgaacaagg cgaagctgct 300

gttcacgttc gccaaagagcc acctgggcag ctacgacggc gagggtccct tctactgctc 360

ctactcgggc tacaacgacg agctgctgtg ggccgcgacc tgggtgtacc tggcgacgag 420

gcggcaagtg tacgcggac 439

<210> 23152

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G7

<400> 23152

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agagattgga tcaagttcca ggctttttta aaagtgcctt ccagcttact taattgactc 120

gcatgggctt tctcgctata aacgaactaa acgaagcgcc taaagagaga gatccgcggg 180
acaccagtca ataaagtaaa aagagagtat tctcttatgt agtcttattc cttcccaccc 240
ccttggtgggt gctgctcaag cagctcaaga ggcgccaacc ccacaaccac aggtagaagg 300
agttccaggt gcggcggtcca gatcaggggac tagtggcccg tctgttctcg atgtaaagga 360
aagatgaaaa acttttctca aacagtgggg aaagggcccc atacgtcaaa gccagataaa 420
gaat 424

<210> 23153
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G9

<400> 23153
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cgtcgacatc aacactgggtg gcaggacgaa ctattgctca agattatgaa caaggacaca 120
taacgctatc gcacgacgac agccatcgta ttgcgtaag aagatcaagt gcctcggagc 180
agaccaacca tatgctggcg aacgctctga gcacctgtac atacctcaat gtgagtgaca 240
acgtcgaaaa cttctgacgg acgcagtcac taacgcagat atacatggaa cagctacagt 300
ccctgatgat cattgcgacg acttttccat actactcgtc tcgcaacagc ctgtacaaga 360
tctttgacgt cttgggacgt gttatacaca tcaagatatg cgatttacia gacctaaca 420
ccgtaaggac tttgcaagtc tgacactctt tg 452

<210> 23154
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H1

<400> 23154
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tgctggcgca ttgcttgggt gtacgatagc cacagcagga caattattcg tttgaactcc 120
gaaggtgcag gagaaatggt gtagcatttg catcgcgggg acttgagaag aagtttctct 180

agtgttctgc tacttttaggt attggtaaga ttttcaactt ggagctgtag tgttggtgaa 240
 tgttgtaagc tctgatggaa cgtgattata tgtcaagggtg atgttcacag gattggtgta 300
 cagaacattt gttcgataat gtcattggta tgattgatg 339

<210> 23155
 <211> 297
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-H10
 <400> 23155

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 gggaactcca tcatgaagtg cgacgtggat attacgaagg atctgtacgg taacatcgtc 120
 ctctccggtg gcaccacat gttccctggg atcgctgaca ggatgagcaa ggagatcact 180
 gccctgggtc ccagcagcat gaagatcaag gtggtcgctc ctccagagag gaagtacagt 240
 gtctggatcg gacgatccat ccatgcatgc ctcagcacct tgcatacagat gtggatc 297

<210> 23156
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-H11
 <400> 23156

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 ggggtgtggtg gctctccttt ttcttgtggt ggcaacatca tcatcagtgt gggttgcaga 120
 aggagccgat gacttaaaag tttcttgctg taaagagtgc acccaaaatt ttaacactcc 180
 cgagggcaag aagatctgtg aaacgatgtg tgccaaccct aaaggaaggc ctatcgacag 240
 agttagagct gattgatcaa tgctcatctt tatttgtagc tagctatcat gcatgcatg 300
 atggccttct tgattattat tatttcattc ctcatgttag ttgttcttgc atgctttttc 360
 caccactaat attgtcctaa ttgatgcata caagttgtca ctcaaagcaa tttctatgct 420
 ntactt 426

<210> 23157
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-H12

 <400> 23157

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 actcgagctt accctcataa agtgcggcgc tgatcttagt aaggcattat ccaggaacct 120
 tgctctcttc gcagacgcc aatcatcac tagaaccgct aaccctatga acgaacttaa 180
 cattgatcac agtatcaggt ccatcatgag ccatgaattg gctactcctt atggaagttt 240
 caaatccttg gatcacacc 259

<210> 23158
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-H2

 <400> 23158

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 cacacaaggt acgaaagcta gctgatttat atcctaata catgtcaagc attgacttgt 120
 taaaacttga cttgcaactt gacaattata ttgatggcat aagagaagat gatagattca 180
 aagacataac taatcttgtg gacctctcag ttaagcttgt tgaaacaaag agacataagg 240
 tgtttgatat ggtttatttg cttctcaa attggtattgct tttgccggtg ggcacagcaa 300
 gtgttgaaag ggcattttct acaatgagtt tggatgaagac taaattgaga aacatgatgt 360
 gtggtagtct tttggatgat tgtctngtta catacatcga gagggattat ttcttcgaag 420
 tgaatgaaga a 431

<210> 23159
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-H4

<400> 23159

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acagccactt cggacgtgac gacgccgact tcacctggga ggtggtgaag cccctcaagt 180

tcgacacggc atcggcttaa ggctgggagt gctcactgtg gacatgagga ctaccgttct 240

ctggctctgc tgctacctgc aagcattgct gctgatgcat gtgagcgtct gatcagcgac 300

tggctgctgc tccatagaag atgaacggag agaacgatga t 341

<210> 23160

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H5

<400> 23160

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ggcgccatg cttatgaaca ggtacgagct cgggcgcacg ctctgacagt gcaccttctg 120

caaggtgtac ctaggccgga acatctcgtc cagtcagtgc acgtgcatca aggtcattga 180

ctatgagaac gtgatgagcg tcagcatgat cgaccagatc aagcactaga tctccgtcat 240

gcgc 244

<210> 23161

<211> 148

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H6

<400> 23161

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ctgtctccat ctccatatat agctagagtg agacttcgct gttgtttaaa agagaagagt 120

taagaaatgg attgacaagt tatataat 148

<210> 23162

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H7

<400> 23162

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cttatagaaa atgcctatca tcacgggcca tccggtcct gtccatgctg agatcctctc 120

tacatctccc ccaaacgcag acagagagct ccactagaaa gctaaatacg gcatcacaga 180

aatgtgcgca gacctataga actgggctag caagagccct tatggataca cggcatctga 240

ctctccgaac ctcaatgcta gttcacgctg aacaacaccg attgtcccat gtggactcac 300

ttgtacatga gactgtagtg ccagccaacc acgataaatg tagatctagt cggtcgctca 360

tactgagaga agttctatat gcct 384

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<211> 266

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-024-Q1-K1-H8

<400> 23163

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gggtcagaga attgctgacc ttgcaccaca agtctttgca acagttccca agatgagaat 120

tagcaaaagg acagtacatg aagctcttac tgatcactct tgggtgatgg atatctaggg 180

agctctaact nttggagtta ttaatgagtt tcttagtctc tgggatttgc tctccgtagt 240

ggtgttacag cctgggattg atgatg 266

<210> 23164

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H9

<400> 23164

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aggtttacat tgtctgagga aatgatacgt acatctacgc gtcagcaata tcggcctagg 120

tttccgctcc ctcgactaca tccgaagcga tgatgccatt cctaagcctt atgcgctcat 180
 gtgtctcgac tacctatacg aaaatacccg actacttcat gaagcgcagc gtctactgat 240
 aaacatgccg tgcttgatcc ttaccctacg tgactgaaac catatgatgc tccaacacga 300
 gcct 304

<210> 23165
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A11

<400> 23165

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 aactcgtaca attttaactg gtagctgtat tccaacatct gatgcacagc ctaccgatct 120
 ttcatcaaac gctaccgcaa tottgacgac aacaactaga acccacagaa gtacgtgcag 180
 tacatcccag atacagtoga ccaacttcta ggccagctct tccaatggca acaatgggtcc 240
 taacaaacac tcttaacatc atatagtgat agtgactgca ttattacaga cagatgccac 300
 taacttcaac agtacagatt tottactaat caaccaccag ttactttctat cactacatat 360
 aatatactag tgacataaac ctcatctttg catgcactac ctaattttct tttcccataa 420
 aa 422

<210> 23166
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A12

<400> 23166

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 ccctgggtga ttattctcca agctttgaga gcgagcacga tgaagatgag cgcaaggagg 120
 gttctcgtca ggagggagaa ggtcaagcat ctggaaactc atttgacaat gcaagttcaa 180
 agaaatcaaa tattctgtca acaagtagtt caaattcatt gccagatgct caggggctag 240
 tttctggggc tagagctact gattctgcaa gaattgctaa attcacaacg gaactatcta 300

ggccagctgt tatattagac aaattgcgtg aactatcttg gagtgggtgtg cctccatata 360
 tgcgacctaa tgtatggcgg cttctttttg gatatgcacc gcctaataaa gatagacgag 420
 aaggtgttct aacaaggaaa a 441

<210> 23167
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-G5
 <400> 23167

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 cgggggtctac cctccccgta cgcattcatg tcgacatgtc ccaccgcgtc cggctcgccg 120
 cggcggcgct cgtcgtggtc gccgctctgg cgcttgcccc cggcgccgcg gcggcggtggc 180
 agctgacgaa gaacggcacc gtggtcagct acgaccgccg gtcgctcatt atcgacggcc 240
 ggccgggagat cttctttctc ggggtccatc actaccgcg gagcccgccg gacatgtggc 300
 cggagctcat cgccaaggcc aaggagggcg gtctcaacac catcgagacc tatatcgtct 360
 ggaacatgca cgagcccgag aagggtcagt tcgacttcga gggggcggtac gacattgtga 420
 ggttcttcaa gctgatcc 438

<210> 23168
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-F3
 <400> 23168

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 ttaggattca agaagatcca tcattccgacc ggcttcctct acatcgcaga atgaaacggc 180
 cgcattacga cactgctcaa gcagccaact gctgaccatg atcaagtga tcttgatgag 240
 tcgacgtatg accctgaact tgataagttg cagcgtgaga gaattgctgc ccttaagaaa 300
 taggttgaga agcctgaagt gctaagaagg ctatgtcacg gtgaatacag gaaggtaatt 360

gaaggggact tccttggcga gggtactagc aatgaaagag tcatatgtca tacctatcac 420
cgtgaatctt acagttgcat gatcat 446

<210> 23169
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-024-Q1-K1-F4

<400> 23169

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ggccgtanga cgcgagcggc tttttgatca tctgctgagc gcggaggacc tgcaggccga 120
ggacgcctcg cctccggacg gtgggtgatg acgcggtctg gtctggtagg ctgcggaccg 180
agggagagcg ggtgtgcctt ctgccccct tgggtgtctg aactgctgat acgatacgag 240
gagcaggaca ggagtacgga gaactactac tacctacggc tatgggcgat ggctttactc 300
gcgcctnccg gtgtgtcccg agattttttt tcggggacac gtacgaatta tgtaacggag 360
ttcgtttcgc cgtgccacac gcacgagcgg tgtccgatac acctatagaa aacgactttc 420
catattgcga gttgtgtgat gtatt 445

<210> 23170
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F5

<400> 23170

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ggggggacag gaaatcagcg gccatggcct cgattccggc gactaccttc gccgtcatct 120
tatccgtcct cttctgtgcc gcggctggca ccgtcgtcga caacgacctg cccgactacg 180
tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg gttcgtgacc aatgtcaccg 240
agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc ggcaagctcg 300
agcgctccat cgacggtgtg accgacgcga acggcacgta cacgatcgag ctcaaggaca 360

gccacgagga ggacatctgc gaggtggtct tgggtgaaag 400

<210> 23171
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F6

<400> 23171

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tgatatatatt gctactgggg atggtgatct gaagaagctg ctgaatgcag aagatcgcca 120
actaatttca cagataaagt ccattttagg gccatttatt cttagacgtt tgaagtcaga 180
tgtaatgcag cagcttggtc ctaaaatcca acatgttaag tttgttgta tgggcacaga 240
gcagtctgaa gcttacaaaa atgccataaa tgagtaccgt gctgcttgcc aggctcgtag 300
tgccaagtct tcagatggca tttccaataa tgttgctgga ttgattccaa agcgacaaat 360
atcaaactat ttacacagt ttcgtaagat tgccaatcac cctttgctta taaagtgtat 420
ttatggtgac aaagatggtg atcg 444

<210> 23172
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F7

<400> 23172

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cgctgccaaag ataaaggtaa tggactcgtc acgcagggtc cagccggacg tcatcctgct 120
tctactgcta attgtgtcca ccgatatggc acaggcaagg taatgcgata agtacagtga 180
gctatttggtt ggcgatgca tgatcgaga caactgcgcc aatgtgcgcc gcggtgaggg 240
cttcttggtc ggcagtgtga gcaccttcg tcgtcgctgc atctgcacta agcactgctt 300
aacaagatcg ctcgatcgct cgccatgcat cgtcaacctt ttattaataa cgtgcattat 360
ctcgtgctta tttatgacga atgtcatgta tgttctggtg actgtcatgc atattctgat 420
gaccggcatg tatic 434

<210> 23173
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-F8

 <400> 23173

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aggacggcag cgcggcggct ttcggtgaca tcgtctcctc tcgcctgccg cactgccaa   180
ccgccagaac gcaggcggag ctacattcga accaattcga cacctccatc agcggcgggc   240
tggtggatca gtcgatgctg atcggcgacg aacacctgct gcggcctaac ccgagtatgg   300
tcaaggtctc ctccatgccc gcgctctcct accgtgagcc ggatgggtcc aggatgctgc   360
cagcccatgg cgccggggagc gacggcgacg tctcctcgct ggggcaatgc ctttcgggac   420
aggacctnca ccgtggtgcg acatggg                                     447
  
```

<210> 23174
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-F9

 <400> 23174

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cgcgactac aacaggcata ttggcgtctc catcgatgaa gcggacgact aacatgagtt  120
acagcctacg cctgacggcg atgcatacca cctaagcgac accttcggtc gaccacttac   180
tccttcgac gaaacctgct acacctgctt cagtccctca tccttctact acgcaccgca   240
ctacgcctac tccgagccgt acgactactc tcaccactcc aagccaaagc ccatctacag   300
cttccgactt cagcatgagc aacagtcgta ttactgtagc ggatactgat ccaggcccga   360
acccgctgcc gacgatggct gttgctatgg atctcgcttt ggatc                                     405
  
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<210> 23175
 <211> 444

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G1

 <400> 23175

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 ggtctcgcct ccaaaattca ccttcgccga ttgccgccgt gggccgccgc gacggcggtg 120
 cggacgcctc gtaccacctc cgtegcattc tccgctgact cccccctcgg tggcgctcca 180
 ctgcgctcct caacagcctg ctccattccc acgccacctc ctctcgctcc gctgcgacca 240
 ccgaggacca ccagagcggg acgccgcgga actcgtcggc cacgtcctgg ccgtcgcgca 300
 tgctgacgac gaggccggtg ccctcccggg caccctcgac gcggagctcg cgcgcgtcct 360
 gcgagcgcac ggcgcgcgtc aagcggcggg cgcgccggcg gaggaacagg ttgaggtatg 420
 tccagaacag aggacaggga ggga 444

<210> 23176
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G10

 <400> 23176

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 accgttcgct cgtcggcgcg gccgatgcgg ctgctgctcg gcggataagg gagaaggagt 120
 cggaggcctg ggaggccgcg cggcgccgcg ccgacctgga ggatcgggtc gcgcggctga 180
 gggcggaggc ggcggcgtgg caggcaaagg agctcgcgga ccagtccacg gccgcggcgc 240
 tccacgcgca gctgcagcac gcgaggcgca aggccgccga cgccgaggaa gggggcaacg 300
 cggcggacga cgccgggtcg tgcttcgctg acccggacag ggtggtggag atcgccccgc 360
 cgtcggccag gccgtgccgg tcgtgcaggc tgc 393

<210> 23177
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G11

<400> 23177

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gggggtcttc gacatgtgcc accggtatct gaaagaaagg aagcagttcg gagtccctct 120
ggcggcgtht cagctgaacc aagagaagct cgcgcggatg ctcggtaacg tccagtcgat 180
ggtcctcgtc ggctggcgtc tctgcaagct ctacgagtcg gggaaaatga cgccgggcca 240
cgctagccta gggaaggctt ggaactccag gacggcccg c gaggtggtct cccttggccg 300
agagctgctg ggtgggaacg ggattttggc cgacttcctt gtagccaagg cgttctgcga 360
cctggagccc atctactcgt acgagggcac gtacgacatc aacagcctgg tgaccggcaa 420
ggaggtcacc gtgatcgga gcttc 445

<210> 23178

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G12

<400> 23178

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gggtgccttt ggcccattcg tcaggcgggc cctccgcagg cgacgcaggc gggggcacga 120
cggcgcggtg ccccgactac gtagacagct aaccggtctc cgctccggc ccttctcctg 180
tcgcccgatt gagtcgctgc tgcaactgcc aacttcaccc ccggcgagct caccacagtc 240
ttccggaaaag gtgctatcaa tttggaagat ggcagatgag gagcaggccc caagctctaa 300
gaaaagggtt gcaggctactc aaatcaacaa ggattatccg gaacctgatg atgaaggaa 360
agaacaagag atgggtacat ttaagaaagc tactgaagaa gttatggcaa cacggaggat 420
tgtaaagggt cggcgccagc agacgtcatc 450

<210> 23179

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G2

<400> 23179

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gcgggggcga tgccctgctc cacgctccgc cggcggcggc gccattcccg cgggccacc 120
gtcgacgctc tctccgaacg cggctcccta cacctttctc gcgcgtcagt cccgcgcccc 180
acccggacgc ctccaagatg gtgatgctcc aagggttgatt gataataact ttgtgttgta 240
tggagaggac aacagttctt attcgggtgcc actggcagca caatcaggaa tgaagcagag 300
tgacactgtt tactcaagca gctcgcattg aacacaccaa ggtcagccaa gctccgcacg 360
tggaattcct gtcggtgttt atgcatctgc aacgtcctca attgcgatag tttcagagcc 420
atcagtgacc ataggttctg att 443

<210> 23180
<211> 449
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-G3
<400> 23180

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tgctgttccc ttcagatgcc acaaaccxaa atataagaac ttcaatgggt tctgctgcat 120
atgctcctga gagagatgca atgggtctgga aagtaaaatc attccctggg ggcaaggaat 180
acatgtgcag agcagaattt agtcttcccta gcataacagc ggaagaaggg gccccagaaa 240
agaaggcacc aatacgagtg aaatttgaga taccatattt caccgtatca ggtattcagg 300
tccgttatct gaagataatt gaaaagagtg gttaccaggc actcccctgg gttagatata 360
tcacgatggc tggcgaatat gagctgagac ttatatgagt tttctctttt ctggctgatg 420
gaagacattt atgaaactgc aagatacat 449

<210> 23181
<211> 410
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-G4
<400> 23181

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gaaagagagt aggtggacgg acggtgctgg catcgccaat tcaactccgc atctgcatcg 120
gcagcgcgcc agctccatag tgtaggagga gatggcgctc acaagaatcg gtcttgctgg 180
ccttgcggtc atggggcaga accttgccct caacattgca gagaaagggt tccccatctc 240
tgtgtacaac aggacaacct ccaaggtgga cgagaccgtg cagcgtgcc aaggcagaagg 300
aaaccttccc gtctacgggt tccatgacct cgcgtccttt gtgaagtcca ttcagaagcc 360
acgggtggtg atcatgctcg tcaaggccgg cgcgccagtt gaccagacca 410

<210> 23182
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F2

<400> 23182
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ggattagcag gaggcagcgg agatggatcc ggacgcagtg aagtcgacgc tctctaacct 120
tgcttcggc aacgtcatcg ccgccgccgc ccgcgacatc cagaaggaaa tgggtggctaa 180
agacaaggct caagcagcac ctgcaagcca tgatgaagtt gatcttgatg agttgatgga 240
tgacctgaa cttgagaagt tgcacgcgga gagaattgct gcccttaaga aagaggttga 300
gaagcgtgaa gtgctaaaaa ggcaagggtc cggatgaatac agggaggtaa ttgaagggga 360
cttccttggg gaggttactg gcagtgaaag agtcatatgt catttctatc accgtgaatt 420
ttaccgttgc aagatcatgg ataagcatt 449

<210> 23183
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D8

<400> 23183
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ccgatacgaa cctggaacct gcaggaggct ctacggaggg cagtgcccg accttcggca 180

tgcagaagga agagacccga ggcaacaaga agccagcgac cctcgctgga tctcttggtt 240
caggcaagaa tgccatctac gggtaaata ttagaaggaa tcttgcttcg gaaggatatga 300
aaacaatggg gatgtgctca acaatcaatc tcaacccag gtgacggcaa tgagtcaccc 360
acaggaatgt aaccggatat agatggacat tgctcggtcc atatttcttt ttcatatattt 420
ctcttcaaatt tcaattgaaa ta 442

<210> 23184
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D9

<400> 23184

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gtggagctat gagatgccag gggccaatcc ggaccggat cgctctctac cggatagcga 120
tgagagggg gaggatgcta ttacaagcaa tcagccgtcg cacgatcgat acgctgactt 180
gcacgaccac tatagtcttg ttgcagataa tgcattaat cactagatgc tgcttaggaa 240
gttcactta caccatgaca tgctcaacta acgaattcac cacctgcaac actaggtgga 300
ttcagaggag gctaccaacg accta 325

<210> 23185
<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-024-Q1-K1-E1

<400> 23185

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accctgcaga ttgactctac aatacatcgg cgaggaagaa gagctgcggt tcggaagagt 180
aaactctacc cgccgtctcg cgccggttga ccggcgcgaa ggcgagatcc gggcggagat 240
ccagggcgcg gcgcccggca tggcgagctc cggaactcgc taccgacgac gcttctacgc 300

cgccgcggcc tacgctgggt tcggagtcgg cgaggccacc tntctcgcag ctatctcccg 360
 cttccagaac gacgtcgccc tctctctcta cggcttgac cagcaggcca ctggtggggc 420
 atgcaatgtg cccaagccaa gagcgtgg 448

<210> 23186
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E11

<400> 23186

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 ggggtgcatg gtgagaagga agagtcaaag ggcacgatg cgaaagcgtc cggacctggg 120
 ggggtacttcg acatcaccaa gttgggcgcc tacggcaatg gcaagacaga cagcactaag 180
 gctgtgcaag aagcatgggc ataggcttgc ggctgcactc ttaaacagac aatcctcata 240
 cccaaaggac acttccttgt cctacaacta atcttcacag gccactcaa gggcgacttg 300
 accatccaag tggattgcaa tttgctggcg accacagacc taagccagta cacggaccat 360
 tgtaatcata tccagattct actcgtctat 390

<210> 23187
 <211> 121
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E12

<400> 23187

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 ggtaaaatgc ttgtagtga tgggttgac ttcgaataat aaaaatacta cttcccttct 120
 c 121

<210> 23188
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E2

<400> 23188

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acaatacaca agtgtccacc ggagtagctg gacctctcgc aaccgcacgg taggaggacg 120

tgcggcgggtg gctgcgcctg tgcacggat ttcgtttgtt ttctccatga attttgcac 180

gcgtgttagt gtcacctaat atttggggca aaacatatgt ttagtagagg gatatgggtc 240

gactcagatt aagtaattag cgagccaaat gtggatcgt cgccgggtta ttggtaatgt 300

atctgctgtg gtataaatgt atctgctgtt ggtatacatt atgaaatcac attttaattt 360

tctatgtaga gaccgacggg ccattttatc ctctgtaca tcacatgtgt gaaatgaaag 420

tgtgggttct aattgagggg ctgtttg 447

<210> 23189

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E3

<400> 23189

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tgtttcatgt tttttccacc actaatattg tcctaattga tgcatacaag ttgtcactca 120

aagcattttc tatgctttac ttattgggtta aataaataca aaggcttcct ttacctatg 180

agctatgttt agttcatcgt acatgtatgt cattggaaga ggtgatgtgg agtcaacaaa 240

atcctatatg gtgggtaaca catgtcagtt caagtatga gctacccaac aagtttcatg 300

agtactagac gagtgctatc cctagtcaac cgctct 336

<210> 23190

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E4

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tggtgagaag gaagagtcaa agggcatcga tgcgaaagcg tccgggcctg gtgggttctt 120

cgacatcacc aagttgggcg cctccggcaa tggcaagaca gacagcacga aggctgtgca 180
ggaggcatgg gcatcggcgt gggcgggcac tgggaagcag acaatcctca tacccaaggg 240
cgacttcctt gtcggacaac tcaacttcac aggcccttgc aaggcgacg tgaccatcca 300
ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaac atggtaattg 360
gatcgagatt ctacgcgtgg ataacctggg catcaccggc aagggaacc ttgacgggca 420
gggcccagcc gtgtggagca agaac 445

<210> 23191
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E5

<400> 23191

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aggcgagatg gggcgggccg aatccgtgcc ggagacctcc atacacgaat tcaccgtcaa 180
ggattgcaac ggcaaggaag tgagcctgga aacctacaag gggaagggtcc tccttgttgt 240
taacgtcgcc tccaaatgtg ggttcacgga gaccaattac acgcagctga cggagcttta 300
tcagaagtac agggacaaag acttcgagat attggcattc ccttgcaatc agttcttgcg 360
acaggagcca ggtactgatc agcagatata agactttgct tgcaccagat ttaaagctga 420
ataccaggt tttca 435

<210> 23192
<211> 159
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E6

<400> 23192

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gtcatccaag ggtttcttcc tggaattgct ttgaagatct tccttatagt gcttccaact 120
atactgatgt ttatgtctaa atttgaagga ctgatatcg 159

<210> 23193
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-E7

 <400> 23193

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 tgttgcatgt tttttccacc actaatattg tcctaattga tgcatacaag ttgtcactca 120
 aagcattttc tatgctttac ttattgggta aataaataca aaggcttcct tttacctatg 180
 agctatgttt agttcatcgt acatgtatgt cattggaaga ggtgatgtgg agtcaacaaa 240
 atcctatatg gtgggtaaca catgtcagtt caagtgatga gttacccaac aagtttcatg 300
 agtactagac gagtgcctatc cctagtcaac cgtccttggg aagtacagag atccgaaaga 360
 aaagatatac aatagtttct gctatacttt gtagtatatg taagtctt 408

<210> 23194
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-E8

 <400> 23194

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 gtcgccgctc ccaccaccgc ggccgggttg cgtccgtttc gattgcccag gatgagcacc 120
 gagtccgggg agctgctcgg gatcgacccc gtcgagctcc ggttcccatt cgaattaaat 180
 aagcagatct cctgcacgct gcagctgacg aacaagacag acaagcaggt cgcgttcaag 240
 gtgaagacga caagcccga aaagtactgt gttcgcccaa acaacggcat ggtggcgccc 300
 cgggtcaagg ctgacgttgt tgttacgatg caagcgcagc gggacgtgcc accggacatg 360
 caatgcaagg acaagttcct tgtgcagagc gccaccgtcg ccaaggaggt cgtgccaaag 420
 gaggtcactg gagacatggt taccaaa 447

<210> 23195
 <211> 358
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E9

<400> 23195

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gcgtcctcat gcgagtaagc atgggcagcc ttcgtcctag ctggcatagg cagactcctc 120

ctcgcacctg aagcgaatcc agagtcaactg cctgggctct gtaccaatgg gcgaaattat 180

acggcccata tacacgcaa gagacggcaa gctctccacc gcctgaagcc cgggcctacg 240

gcagagagga ctttccatgc gggaacagga ggcttcagcc cgcagtaaac atgacacagt 300

gtccgtatgg agatctacgt cgttcgagga ctgagagagc tacttctgca tatccctc 358

<210> 23196

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F1

<400> 23196

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aggtgaggac atgataccct gccaaatggg aataaaaaag caatgacacc accagaaata 120

caaccattcg gtggacttga tttcttttct ttaattccac agcttcatct gttgttttca 180

agtataatat gtacagattg ccttgcaatc ctgaataatg ccggatcttc aggtcaatac 240

tgatccagca cacctagata gcaatgcatg atggagaaat atctagtttt tttctacaag 300

ggaagtgcag gttcttcagc tttctttatc atcactagag cctcctttca atgactgtgc 360

ttcaaacatg aaggtagaac actcagaaac caccttgtac aagtacttct tccttagctt 420

gatggccaag cgtacacatc tttttaca 448

<210> 23197

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F10

<400> 23197

gcccacatc gtgagggccg tccttttttt ttttttttga aacctatccc tcatctatag 60
 tgcgcattaa aacacgtata gggccgactc attctagtaa acgaaccaat taaacacatt 120
 caggctcact cccaaccccc ctaggtaccc attctctgca tcaataactg tagcttcttc 180
 accagcccag ctaccatgat catgtttctt aactgccaca agcttatgat aaccaaccaa 240
 cttcacgcca agctagctgc ctcctttatc gacagaatcc tgaactgaac ctactcactc 300
 atggagccgc ttgttgctgc caccaacact ttactagctg ttgccc aaat ccagtcgcaa 360
 actatcaacc tacaacatcc 380

<210> 23198
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-F11
 <400> 23198

ggcggggcaaa aatggcaaag gctctcctag gtggcctatc ggcgatcctc gtcgtggcgg 60
 gggctcgtcgg tgtggctgcc accgtcaccg gctccggcaa gaaggccggc gacaacttca 120
 cgggtcccggg ggaggcttcc cttgccacgt ccggcaagtc ggtcaagtcc ctgtgcgcgc 180
 ccacctata caaggagtcg tgcgagaaga cactgtccca ggccaccaat ggcaccgaga 240
 accccaagga ggtgttccac agcgtggcca aggtggcgct ggagtcggtc cagacggcgg 300
 tcgagcagtc caagtcgatc ggcgaggcca aggccagcga ctccatgacc gagagcgcgc 360
 gcgaggactg cangaagctc ctggaggacg ccgtcgacga cctgaagggc atgctcgaga 420
 tggccggcgg cgacatcaan gtgctgttca 450

<210> 23199
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D7
 <400> 23199

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 atgctgtgta gccaggagga tttcccgctg gatctacgca tgaggatcgc gatcaagacc 120

gcggaagcgt tgcagtacct gcattcgtcg gaaactggcg tcaccggaca cggcagcgtc 180
tcggcgcca ccatactcct cgacaacaac ctctaccga agctcaccga gttctcgagg 240
tcatgtacgc tgttcaagaa gagcgagact acttctgttg ttggtgctgg agtgatgac 300
actggcagcc ttctagagaa agctctgaac gacgaccgt cccgtacgg ctcggtgttg 360
atgaacctgg agagcgacgt gtacaggttc ggcgcgctcc tgatggcgct ggtcagcagg 420
gacggcg 427

<210> 23200
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C11
<400> 23200

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gcgggggctc cgctccgggc tccgcctcct cgccgcggc gccgaggcgt ccaagccagc 120
tgctcgtgga ttccatgcca ccggcgtgaa gagaatggga gggcatggcc atgatgagcc 180
atactacatc catgccaagc acatgtataa cttgcacagg atgaagcatc aggggttgaa 240
ggtgacactc tccgtgctgg gagcggttg catcggtgtt ggagtccttg tgtatgcagt 300
catattccag cagaagaaga ctgcctctgg ctgagatgat gcctctcgct gcctgcatat 360
ggagacttgt tttgagcgac atttttttga agttaaagc ttggacttca tcctatcttg 420
gttgttgctt gatactgcat tttcttacca ta 452

<210> 23201
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C12
<400> 23201

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ggggcaatgt caaacatcgg gcaatccttc caggtcgatc aggcgcaggc ccagggcgag 120
tgccaggcgg agcgctcaat gtatagatat atggacgtgt ctcggtccac cgctgcgcc 180

atgaccgaca ccgacggagc cgaggtcgac agcgcgcagc atgaggagca ccgcgccgca 240
 cggcaccgtt cagcatgctg atgagcaagt ggcgcagacg gcggctgacg cgatggcagc 300
 cgtcaaggac acagtggcag tcgcggccgt ggccgtcaag gacacggtgg cggacgcgga 360
 ggcaggcgcc aatgacaccg tgaccgacgg ccactgaccg actcacgcgc gtgaacacga 420
 cagcgtacca acaatgct 438

<210> 23202

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C4

<400> 23202

gcaaaaaggc actgaagaag ccagtcaata gcgagttcta ctactagtag ctagcctgct 60
 gatctgttct gttgtttagt tcgcaaagcc ttctgtttcg gcgaccatgg aggatgagag 120
 gaacacccag cagcaccagg gcggtgaggc ccagcaggac gccgccgatc aggtggacgt 180
 gaaggatagg gggctcctgg acagcettct cggcaggaag aagcacgacg acgaccagga 240
 gaagaagaag cagacggatg agctggcgac cggcatggag aaggtcacgg tgtccgagcc 300
 cgagaagcac gggcacaagg aggaggagca cgaggtcgtc ggcgagaaga aggagggcct 360
 tctcgccaag ctgcaccgca ccagttccag ctccagctcg tcgagcgacg aggaagagga 420
 ggcgatcgat gagaacggcg a 441

<210> 23203

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C5

<400> 23203

cggacgcgtg gggagaagat ggccttgttc ctccacgccg ccgtcacgtc accgggacac 60
 gggcagcagc acggcgcctc gtgcacgag gcgcccgccg cgaacatcac gccgcggaca 120
 acagccagga ataagcagca gcacctgccg gtgagccccg gggcgtgcct ctgctcgccg 180
 accgttcacg agggctcggt ccggtgcagg ctccaccgcg gcagcggcag cggctccggc 240

ctccacgaga tgaagatgag caagaaggcc ggcgtatgac gacgcgacgc agcgggcggc 300
gacaagcggt cgtactacgc cttaccgcaa atgcacaggt gcctttgcct gcatttcggc 360
ctctgctttt gtccccctcat ttgttttcgc tgcatacagt aatacagaag gggaagagta 420
ccttggtttt t 431

<210> 23204
<211> 435
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C6
<400> 23204

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cggaggaagg cccatgtgat cctattgctc ccttagatct tccacattcg ttgcatgctt 120
tccaccgcgt atcagcttgt gactctctca atttggaggg ataccacaca ttccgtggag 180
gattctggaa ttatttttagc ttgggaatgg atgcacaagt atcctatgaa ttccactctg 240
aaaggaagag aaatccagag aagttcagac accagctaag aaatcagggt acatatgcta 300
agcttggatt taagcattcc ctaaaccatc tttcatcgag gaacatttct caacttgcaa 360
aggtgaagat catgaaaaga cctggttccc aatgggaaga gctgaagatt cctcgcagca 420
ttcaatcagt tatct 435

<210> 23205
<211> 141
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C8
<400> 23205

cacatacaca gactgacaag aatttttcac aaccctagaa gacacactgc cagagagatc 60
tcttcacaaa ggcgtcgagc ctctccactc ggccatactc aacgacaacc tcaactccct 120
cgacaatcac ggcttcaact c 141

<210> 23206
<211> 366

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-C9

 <400> 23206

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 gggggcgctt catgggcatg cgagcgctaa catcggctac aaacgatgct agggcccata 120
 acgatcagat gtatgatgac atccgtctag actgagatcg atcagatcat gtactagagc 180
 gaccggcagc ccacacgtta gtatacgcga aagggtggaca catagaacga ttatgcatgg 240
 cagctccttg ctaaccggac cgctcgtact ggagacagag actatctgtc atagagtact 300
 gcattgctgc ctactactac tagtcccaaa cgcttgctcg tagctactac tacctcacgc 360
 tattac 366

<210> 23207
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D1

 <400> 23207

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 catttcctta tctaggggtg caatatcaag tcaattccag ttctaacctt aactcaactc 120
 tacaacgtca tgtaaattct accttgtaat tattcgtgcc ttggttggtt ccgttggttt 180
 tttttctccc attgctttca aaaacatggt ttacaccttt taatcaaaga agattgtaat 240
 atactaatca ctacttcctt gcccttcaaa aaaataatat atttataatt ttattttattt 300
 ttattatttt attatatatt taattatata aaaa 334

<210> 23208
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D10

 <400> 23208

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gggcgcctctc ctggcgctcga tgctgctcgt cgggctcgcc gtgggctccg aggaggagga 120
 ggacggcggc ggcaaaaaga agccccacgt caaccacggc aagtttaagg cggagccgtg 180
 gacggacggg cagcgacgt actacggcgg tcgcgacggg ttaactgaca ccacggacgg 240
 cggcgcgctgc ggctacaagg gcgagctggg gaaagactac ggcaccctga cggcggccgt 300
 gggcccgtcg ctgtacacca acggcaccgg gtggggcgcg tgctatgagc tcaagggccc 360
 caagggcacc gtggtggtga cggccaccaa cgaggccccg ccgccggtga gcgggcagaa 420
 gggctagcac ttcgacctca ccatacc 447

<210> 23209
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D11
 <400> 23209

gaaggcaata tggaactaga aaacttcaac tgactctcga ataaggcagc atacttataa 60
 ggggtgatgc agacaacaaa ccggatcact aggaagccag tgtcaagtta atccacattg 120
 gtgattcagt ttgagtagtg aaaatatacc gctaccaact ctcaatatcc tgaagttcag 180
 gaggtctcat caatggatgc actgtattac atccatgtcg aactcattct gtgtcaacta 240
 tgtttggtct ttccttggga gatatcttga tgcaagcata agtgacattc atggaaatgc 300
 tgacttaata gtaagtcac tgtaccactg taccattagc catctcagtc tgagttcaga 360
 tttgtatctt ggtgttactc atgaacacaa aaggcatgta ttataagaaa gattgttcat 420
 tcattttagt cataggcatg attgatatg 449

<210> 23210
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D12
 <400> 23210

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 gggagcatga tgacctgggt tctgcatctg gtcagtgtgg ctcttatcat atactgagtc 120

caagtgggtga acggcacatt ggctataaaa tttatgtccg acagctgact tatgcacgca 180
 tgatcaaaat aagaggcctc acaatgatgc agactcaaca agtccaccat aaatgacatc 240
 tgtcaccctt caaatgctaa tagatactga atgtctaggc tggcttcatt tgtggcaggt 300
 actttttgcg aacccatatg attgtggcga caaccgacga tccataccat gggcacatct 360
 accctgatct caagcacaac gacactcgcg agacaatatt gcttcgtcca gatgaccc 418

<210> 23211
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D2

<400> 23211

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 gccagagatg ggtctccacg gaggcgtcgt cgtgctccgc gcgggcgtgc tcgccgacgt 120
 cctcggcttc gtcgccgtg cggggttcat ctcaaacgac gcgctgctgg agcgcgggcg 180
 cgacaccacc ggccgtagcc tgetgcaggc caagaaagat tgcccgtga gcttcgaggg 240
 cgccatctac acggtgatca cgagccggtg taagggccct gtgtaccagc cgacgctgtg 300
 ctgctgcgcg ctcaaggact tcgctgccc tgactccaac tacgtcaacg acgtgagcac 360
 caactgcgcc gtcacatgt tcagctacgt caacctctac ggcaagtacg cgccgggcct 420
 cttcgtcata cctgccacga gggcgaca 448

<210> 23212
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D3

<400> 23212

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 tttttttagt aggttttttt tttttttttt attttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttcac 180
 aattttaaaa aaaatttctt tttaaaattt cctactttct aaaaaaaaaat tttacaaaat 240

ttttccgccca ccacttttaa aaaataaaaa aatgattaat tttatacccc cccttaaatt 300
 tttaaaaaaaa acaattttttt acccccaaaaa aaaaaggacc tccaatttttt tttocattaa 360
 aaattttttcc actttgacac cctttttttcc cccttcaaaa aaattaaaaa ccttttttttt 420
 tttttttc 427

<210> 23213
 <211> 451
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D4
 <400> 23213

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 aggtgcagcc atgggtgcct gtgcaacgaa gcctaagacg cttgagggga aagccccagc 120
 tgaggccacc atctccacac ccaaggttgc acctgagacc actgccatcc acattgaggt 180
 tgcgggcgaaa caggcagtag ttgagaaggt ggaggaggac aaggaggagg cactaacagt 240
 ggcgggcgaaa caagagccag cagccaccat cgagcctcaa cagattgctg gtgaggtgac 300
 cacttcggaa gtggcggtcg tcgttgtcga gcctgagaac aaagaggagg aggaagttgt 360
 ggagaagacc gtcacgaga aggagaagcc atcagcagtc catgaagagg aaaatatcgc 420
 caccgacaag gtggcagccg agcccacaac a 451

<210> 23214
 <211> 270
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-D5
 <400> 23214

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 gaaacaaggc cttagcgagt gttggagtag caagtcagtt ccagttcgaa cctcaacgca 120
 actctacaac gtcatgtaag tgcgacctgt aattatgcgt gcctggggttg tttcgggtgt 180
 ttttttttct ccattgctt tcagagacat ggttgacgcc tgtagtcaa agaagattgt 240
 aatatactaa tcactactcc cttgccctgc 270

<210> 23215
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D6

<400> 23215

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 agacaaggaa atgaatgaca acatagtttt gcaactcatg caacaacttg aggcaacaaa 180
 aaagtcccat gaggcagaga caaacgagaa ggaggattat agaaatatta atatgaaact 240
 taagcaggaa ttcgaatcat taagatcgtc atatgaggag agcagcacgc tgttagaatc 300
 taagatggaa gacgtagtta aacttgttac agactacgta acgaatgaca acataatttt 360
 gcaactcacg ctagaacttg acgcaacaca atagttgcat gacgcagaga ct 412

<210> 23216
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C10

<400> 23216

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 ccttgacgtg aaagcctcag ctgatgccac tatatccaca cccaagcatg caccttatac 180
 cacttccatc cacattgacg ttgcggccaa acagtctgac attgacaaga cagaggaaga 240
 caagtatgat gcactaacat cgacggcaaa tcaagacca gcatccacca ctgatcctaa 300
 acatattgct ggtcatttca ccacatatga attcgcggac atcactgcat agcctaatat 360
 c 361

<210> 23217
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A7

<400> 23217

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agccgcggct gtacacgcgt gagctgggat cgcggagccg cttgtctact cgcttccggt 120
cccagatagc cttcctctcc aacaaatatt ggattctctt acttcattac gtgatggctt 180
gaagtctctt ggcagatgcc gctaatacgat gggaaaggag ttgattagag agatcactga 240
tctaggacac aggcatgaca tttatgtgag cacaagtcac cgggcacagc atttgctgcg 300
ccgaggaccc ttttctttca aacgatatgt agatgcatgc aaggccttaa ggtttgacac 360
tactgagctg aatgctcggg ctctcaacct ccctg 395

<210> 23218

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A8

<400> 23218

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tcgagcatcc ttgttttcca aggacgatga tgcctgtcaa ttttgatgcg ggcgatcctg 120
tctgctcttc gctttcttca tctttgcttt aaacctcagt ttcagtacca gtgtctccat 180
agtgtggaca aagttgccga ctgccataac caccagcaag atcccgaga ctaagacctg 240
ccattcggaa gcaagcccat gcaaagccgt ctgaagaagc aaaactccaa catatgcttc 300
gaaaccctgt aatatgaaaa ggacaggata tagcagcaag agctgcccct ccacaccagc 360
tgtttcgcca gcaacgacat ccattctttt agcctttcct agagctattc gagtacgcaa 420
tctttgccgc tggatatctat tct 443

<210> 23219

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A9

<400> 23219

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tgaaaagaaa atgctgacgc cagttgaggt cctctgtaaa tcatatccat cagagtttac 180
tgcatacttt cattactgta gatcactacg attcgaagat aaaccagatt actcctatct 240
gaagagactc ttccgtgact tatttatccg cgaggggtac caactagatt atgtatttga 300
ctggaccatt atgaaatata ctcaagtttag agataaaagc aaaattcagt ctacgggcaa 360
gatgagtggg ttggcaggcc cttctgcaga aaggactgat agaactgcag ctgaagcttt 420
gtttagaagg actggatctg gttctggtca caat 454

<210> 23220

<211> 235

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B1

<400> 23220

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gccgcgcgcg tacgggtga cggagatgcg gagccccctt tactccttcc gccccgaaaa 120
ccaggcgctc caggaaatat tggattctct tagtccattc ggtgatgggt tgaaagttct 180
ctggcggtat ccataggttg gatggaaagg gaggggtag agagatcact ggtct 235

<210> 23221

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B10

<400> 23221

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cgcgggttgt catggctgac gtggctgact tactggtcag gccatcatcg tacgtacttc 120
cgaaacggcc cgcacacagg aacatcactg tcacctatgg gaaggactga ctggacgcta 180
tagcgacatg atatggcaag cgcacgggtg ccgctcctga ccacaacggt gctggctgca 240
ggtacaagga cgtgaacaag cccgccttca ataacatggg cgcacgcagc aacatccgca 300

tcttcaagga tgggtctgggc tgcgggtcct gcttcgagat caagtgcgat aagcctgtgg 360
 agtgcctcgg caagcccggtg gtgggtgcaca ttacggacat gaactatgag cctatcgcgg 420
 cgtaccact 429

<210> 23222

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B11

<400> 23222

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 aacatcgact acacgcactg gctcatgtac tctatcggcg gcagaaaggc ccacaccatc 180
 atcagccagg gcaaccgcta cattacgccg accaaccttg cctcaaagca ggtcaccaag 240
 catcatgaca cgccggagtc cgtgtcgaag aactgggtgt ggcacttcga gaacgacctc 300
 tttatggacg gcacctactt caccgtcacc ggctgtcata tcaacagact ttttaacatg 360
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<210> 23223

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B12

<400> 23223

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 ggcggagaga gagccgaatc tgagcctcgg cacaagttgg gcacccgtca agattctcgg 180
 cccgatctgc tgcggaacat ggagctggac agcatcgagt gcatgtccta ctccgacagc 240
 atgggggacg acgacaccga cgccgtcacc tcgtcccagc tccctcgccc ctctctcaaa 300
 tcctctcca ccgcccgtac tgccgccgtc aacgtggctg tcgtctccga ccgctcgggt 360
 gccgccgggc cggtagcggg agcgggttcg ctggtgattt cgccagccac gggcgtgcac 420

gagctgctcg agtgccccgt c

441

<210> 23224

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B2

<400> 23224

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cgatcgcaaa gagggccata cctgaagcta catcaatcga agaggccaac caaatcgctcc 120
gctgaatgta attgaggagc atcatctgaa gtacttgggg agctctcagg 180
taacctggac attggctgct ctgttggagt aagcaccaga tacctcgccg agaagttccc 240
atcagctcaa gctgttgggc tcgacctatc accgtactgt cttgctgtgg cggcacaaaa 300
ggaagaaaaa ctgtcacggc caaagcctat tcgctgggtt catgccaatg gtgaagcgac 360
cggcctgtct tcagattcat ttgaccttgc ctcccttgc tttgtgcacg agcgataacc 420
ggattggtga aggaagcatt c 441

<210> 23225

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B3

<400> 23225

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cgaggggcta tcatacaaac cttcattgtg tgctatgctc ttacatcggt tatttctgga 120
tatgttagtg gtggtcttta ctcaaggagc ggtgggatgg ttctgcacac ttttctttaa 180
ttttcatggt tgtttgcgca attcagtttc tttgcaatat ctctttccat gacgtacctt 240
catgttcttc tatttcaaaa atagtctgca gtttaacttg tcatgtatgg aatcctcacc 300
tcacaaaata tggctcttat cgattgcttc ttgaattcat ggcaggcaaa aactggatta 360
aagcgatggt tcttacagca tccctcttct cgttcttgtg tttttcaatt ggtttcatgc 420
tgaatacaat tgccattttc ta 442

<210> 23226
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B4

 <400> 23226

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 gggagcagct gtagctagaa aggacggagt ggatgcacat gcttgtgaga aaactcatat 120
 atgacgcgcg atcttgggca gaagtgggtg ctacggagga gatactgacc acattcaacg 180
 agtacggtct gctgctgacg ctgagagacc acgatcttct gatgcactga gtgtttgacg 240
 cacacccttg ttgatcaggc accaatcgtg ctgaagcctt cagaacacca gtctgagcag 300
 gaggcgcttg atatagcgat cacatagttg ctattgaagt catattacaa aattgtcacg 360
 aataatgtgg aggacttaat agcaatagct gctatgcac tgctcgagatg tgattcatat 420
 tcgattgtac tttcaggtaa tcatacaaaa 450

<210> 23227
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B5

 <400> 23227

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 gggacttgca acaacagtcc ctgaagttac cggcggctag cccatatgac aatttcctca 120
 gagctgctgg ctgttagagg tccagcttgc agcatccaaa acatcattta catggactat 180
 ggcaatttca agatagccac gaactttcca ttccgcagga aatcaaggaa gaggtatgtc 240
 cgtgtatgat gtcttagcta gagactcaac cggattcgac acccattctt tatgtatagc 300
 tgtatatatg tataggttgg ctctttgctg ctgctgatgc tgctgctctt gccaatgcaa 360
 cgagtagaag gactgggggg gagcattgcc ttctatcaca gactgtacat gtaaacaatgt 420
 tgcagaaata tatg 434

<210> 23228
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B6

 <400> 23228

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 ggcccttaatt gattatatca agagtgactt tgatataagc gtttactggg acaccttgaa 120
 caaaaatggc ataaccaaag agcgtctctt gagctatgat cgtgctattc attcagaacc 180
 aaatttcaga agtgaacaga aggcggggtt actccgtgac ctgggaaatt acatgagaag 240
 cctaaaggct gtgcattctg gtgctgatct tgaatctgct atagcaagtt gtatgggata 300
 caaatcagag ggtgaagggt tcatggttgg tgttcagatc aatccagtga agggtttacc 360
 atctggattt ccggagttgc ttgaatttgt gcttgaacat gttgaggata aatcagcgga 420
 accacttctt gaggggctat tg 442

<210> 23229
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B8

 <400> 23229

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 agtactcgac cagccctctc cgctcttgtc tccgatggcg gctcgcgtcc tcgcggccct 120
 cgcctctgcc ctgcctctcg tcgccttacc cgcgcccacg cgggcgtcca acgacgaggg 180
 ggacgcgctc tacgcgctgc ggcagcgggt gtcggacccc aacggcgtgc tgcagagctg 240
 ggatcccacg ctggtcacc cctgcaattg gttccacatc tcttgcgacc aggtcggccg 300
 cgtcgtccgc ctggacttgg gcaactccaa cgtctccggc tccatcggcc ctgagctcgg 360
 ccgccttgtc aacctcaaat acctggagct gtacaggaac aaccttgacg gcgagatccc 420
 caaggaattg ggcaacctca agaac 445

<210> 23230
 <211> 307

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B9

 <400> 23230

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 acgagatcgt ccgcaactcg tacctggcta cacatactat gtcgagctca cggcactact 120
 ctctatagc gcggcgctgg acacgctgac attaaatggc agccagaggc aaacatctgt 180
 ggctgactgc tggcgccag agtgtgacgt cgcgacgctg aagacacctg tgcacatagt 240
 taaggcagcg taggagtcac cgcaggctaa gagcgtcgta gcatttaatt cagttgatac 300
 gaacaac 307

<210> 23231
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-C1

 <400> 23231

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 gtgcatcatt ttacgtttcg ctagtttata cgtgaatctc tgaataaaaa agagaaaaag 120
 aaaagaaaag agagagagta gccacttgct agtagctggc tcagtgtccc ggcaaattaa 180
 tggccatctc cctggtaaag gtagtcgaat gttcttgtaa tcttgatcaat tggaagctac 240
 actgcactgg atgcatgccc accagtcgaa ctgagcatgc gattttttc 289

<210> 23232
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-A6

 <400> 23232

 gctgcagaac catggaactt gataatttgc taagtactgg gcacaaagct gcatttttcc 60
 caagatggaa gaacaaaaag catggcagtg tcgtaagctg cctaaaagag taacaaacca 120
 agcaaatctt aacattttta catcccaggt cgctatgttt tgccaaaaac tccagaaaaa 180

ttattcatgt cgtctagtat tatattaata ataaaaagaa cagtagagca ggtcctgttt 240
 cgtccgagac tccaggtcag ttcttagcat tgaggtcatt ccttatcttg atcctggatc 300
 gggtgtccaa cttgacaaaa cgcttcaggt cttcataaga gagtgtcttg agatctttcc 360
 ttcgcagctc acttagtaca ggacgcttgt cgagcaagtg ccac 404

<210> 23233
 <211> 231
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H12

<400> 23233

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 gggcttaaac aaggatggtt ttgtgcttct cttagtcagc catcatcaag gaaccttgct 120
 caaattgcaa aagtaacaat catgaaagga gctgttacct tctggaagaa acttagaatc 180
 atcacagcat tcgggtccatc gtgtgtctga atttgcctag tttttctgga a 231

<210> 23234
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-H2

<400> 23234

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 actcttagat gcatccctgc ggattacagc ggtgaaggca gcgatggcgg agatgaagct 120
 agacaatgca ataaaagcag gcagtgtcga gggtaaccg atgatgtcgt cgctaaagac 180
 atgcaaggag agctacgcgt cgctggtaga ctccatcaat accacgcgga acacgtcaa 240
 aagcggcggc agcaatgcag acctcatgtc ggagctatcc gcggcggaca ccttcgccac 300
 cgactgcggg gacaccttcg acgagcgacc agacctcaac tcaccatac ccggtgcgca 360
 gcgccacgtc aaccgnctca tcagcaactg ccttgacctg gcagccacca ttaaggaaca 420
 accctagatg cctatgatgt ggacactgaa naaatttatc tacaactgg 469

<210> 23235
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H3

 <400> 23235

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 ccgtgccagt gccaccgtcg gccgcatcat cgttccgccc cctgagtgtt cagtaacttc 120
 ttccgatcca tattatggct tcaaagcagc agcagaaaca gttcctggat gaagccatga 180
 tcaagcagcc gacaccggag gaggaccgtg agggcgcatg gccctcagtg ctgacgatca 240
 tcggccttgg attcctaacc ttcaactcat tcatggctgt gtacagggtca aatggagatg 300
 ttggatctat ctcttttgtg gtcttctctt acctggctct cgttctgctg ttctactgcc 360
 tgcgccgatt cgagacaact tcaccagagt cgcctagccg ggagcacata aaaatggccg 420
 tgtgggtact caccacgatg ctcaactgctg cgttctcata c 461

<210> 23236
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H4

 <400> 23236

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 cccgcccttt tccgacattc acagggggga caggaaatca gcggccatgg cctcgattcc 120
 ggcgacgacc ttccgctca tcttatccgt cctcttctgt gccgcggtg gcaccgccgt 180
 cgacaacgac ctccccgact acgtcatcca gggccgcgtc tactgcgaca cctgccgcgc 240
 cgggttcgtg accaatgtca ccgagtacat cgcgggcgcc aaggtgaggc tggagtgcaa 300
 gcaacttcggc accggcaagc tcgagcgctc catcgacggg gtgaccgacg cgaacggcac 360
 gtacacgata gagtcaagg acagccacga ggaggacatc tgcgaggtgg tcttggtgga 420
 gagcccgcgc aaggactgcg accaggtgca tgcggacagg gaccg 465

<210> 23237

<211> 458
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H5

 <400> 23237

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 tgtggaaaca gaacaaaccc atcaaccatg gcgaactcgg cgtcggggat ggccgtgagc 120
 gacgagtgca agctcaagtt ccaggagctc aagtcgaagc gaagcttccg gttcatcacg 180
 ttcaagatca acgagcagac gcagcagggtg gtggtggaca ggctggggca gccgggagac 240
 acctacgacg acttcaccgg ctccatgccc gagagcgagt gccgctacgc cgtcttcgac 300
 ttcgacttca ccaccgacga gaactgccag aagagcaaga tcttgttcat ctcttggtcc 360
 ccggacacct cgagggtcag gagcaagatg ctgtacgca gctccaagga ccggttcaag 420
 agggagctgg agggcatcca gctggagctg caggccac 458

<210> 23238
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-H7

 <400> 23238

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 tagggggctg cagcacaacc tttatcgccg catcgaagac acccttcacg tttagttggg 120
 tctttgagct gcactcgatg tagtatggcg cgcctatttg ctttcttagc tcctctccct 180
 gagcagtagt gataggaaca gcaccaggat gatccacaaa gaactgcttg tcatctcgaa 240
 gatcaagctt tgtccctacg agaattattg gcacaccagg tgcataatgc ttcagttcag 300
 gtatccactt cttcgaaaca ttctcatagc tggctttact gatcagcgag aaagccagaa 360
 gaaaaacatc agctccacga tagctcagtg gtctcaggct gttgtaatcc tcaagacctg 420
 catgctcatt tcctacacct tctac 445

<210> 23239
 <211> 273
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H8

<400> 23239

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gggggttacgt ggttgcgatg gcggcggcgg cgagacacct ggggacggtg aagtggttca 120

acgacaccaa gggcttcggg ttcattctccc gcgacgacgg tagcgaagat ctcttcttgc 180

accattcgtc gatcaagtcg gagggcttcc gctcgctcgc cgagggccat gacgtggtgt 240

tttccgattc ggacggtgac atcggtcgca cta 273

<210> 23240

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A1

<400> 23240

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ggttgcgtgag gcgatggatg ttctccacaa tgtggcccat cagcaaaacg caaacacccc 120

gaccagtcag cttgctgcat tatcactaac cgaaggcatt atctcctaac ttgaaagcca 180

taacaaacta tcttcagttt gcaattgagt gatgtttcca gaggttatct ggcacatgac 240

agtattgctc cttttttttc ttctatgggt ggacttgagt gctgttttcg tatttgcaact 300

ctgcggtgta ctgccgttaa ggcaaatacag ttgtttgcaa gtttgagtgc tattgggggc 360

cgttgattac atacctgtct tttgcacctt gtcggaagtt ttgctactta attgaatgag 420

tgaggggaact tgtttgc 437

<210> 23241

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A10

<400> 23241

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atcgaaacaa gctacagcaa caccggacca cctgacctgg acatgcatgc acacgtatac 120
tataatctaa caacgtagct gacctgggca aattgccagc ctgacagggg ccagcgtgct 180
cgaatgtctc actctcaccg acgactaact ttccatcaaa attgattctc gttcatactc 240
catagcatgc acagattgat tgaactgcta cttgagattc ttgtcattgt tattagagag 300
agagacagag acagaacgat tggcatagca tgcaaaattg tttggaagaa gctagcaaag 360
cagttccttg attgta 376

<210> 23242

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A11

<400> 23242

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gtggggggaca ggccggcgcc gatcgagaag gtcgcggtgc cggagaagat ggccttggtc 120
ctacacgccg ccgtcacgtc accgggacac cagcagcagc acggcgcctc gtcgcacgag 180
gcgcccgcgcg tgaacatcac gccgcggaca acagccagga ataagcagca gcacctgccg 240
gtgagccccg gggcggtgcct ctgctcgccg accgttcacg agggctcgtt ccggtgcagg 300
ctccaccgcg gcagcggcag cggctccggc ctccacgaga tgaagatgag caagacggcc 360
ggcgtatgac gacgcgacgc agcggggcgc gacaagcgtt cgtactacgc cttaccgcaa 420
atgcacaggt gcctttgcct gcatttc 447

<210> 23243

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A12

<400> 23243

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aaccatgcga gacttttcac acgtgcactg gttcaactaa tctctccatc tattcatacc 120
tatactacat atttaacacc ataacttacc acatcaaatt gcaaacctga cacaaatcac 180

tcgtcacgaa tgtctcacag tgaccgtcga cacactcacg cttaatatcc acccttaacc 240
 ataatccata ccatgcacac attgatcgaa atcctactag acattattag cattgatatt 300
 acatagacat acaaacacag aacgattgcc ataccatgca taatactacg acagaagcta 360
 ctacatcaac tcct 374

<210> 23244
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-A2
 <400> 23244

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 cgctctagac gatcgatggc cgcgacggcg gcggaggaga tggagaggat ggtggaggcg 180
 gagtgggagg aggggaagca ggggatgagg aagaggaagc ggtacgggct ggtggagtac 240
 cgggcgctgc cggcttacct gcgggacaac gagtacatcc accgccacta ccgctgcgag 300
 tggccgctcc cgcagggtgt gctctccgcc ttctccatcc acaacgagac cctcaacgtc 360
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 gttccaaatg cagtagatat ccggagcttg 450

<210> 23245
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-A3
 <400> 23245

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 aaccagcgcc gcgccgcgcg agcacgtcgg gcgacgttgc ggcaggcgag atccgagaac 120
 actcctccct cgcgcccccg caccgcgatg gccgccgctg gccgcagata gggaggcgca 180
 ggcgggggcg tgcagatcca gatccggtgg gcggcgagga cgagatcgcc ccctaccacc 240
 atggcgggcg ccgtgtcggc gctcttcttg ctggacatta agggccgcgt cctcgtcttg 300

cgcgactatc gtggtgatgt ctccgcgcgc caggccgagc gcttcttcac caagctcctc 360
gacaaggagg gcgactcgga agtccactcg cctgtggtct acgacgacgc cggcgtcacg 420
tacatgttca tccagcacia caat 444

<210> 23246
<211> 425
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-A4
<400> 23246

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atcacgcgcg atcttgggta gaagtgggtg aaatggagta gttactgacc acatccaggg 180
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cacacccttg ttgatcagcc accagtcgtc ctgaagcctt cagaacacca gtctgagcag 300
gaggcgcttg aaatagcgat caciaaagttg ctattgaagt catattacaa tattgtcagg 360
aaaaatgtgg aggacttaat accaaaagca gttatgcatt tcttggtatg tgattcatat 420
ccgat 425

<210> 23247
<211> 306
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-H11
<400> 23247

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cggttccct tccctcgcca aatgctgcgc cgcgctgcgc ctgccggggc tcggccgcgc 120
cgtccacgcc ctgcatttc tcgcgggcgc tgccgtctct cgcgacgcct tcgtgcgcac 180
ctatctcgtc gacatgtacg ccaagtgcgg caggcttccc gacgcgcacc gtctgctcga 240
cgaaacgcgc tgctcgagcc ggacgctggt cggcctggaa ctgcatgac ctggcgtacg 300
gacgga 306

<210> 23248
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F7

 <400> 23248

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 gttccccgtg caatcttcgt tgatctagaa cccactgtga tcgatgaggt gcgcactggc 180
 acgtaccgtc agctcttcca ccctgagcag ctcatcagtg gcaaggagga tgccgctaac 240
 aatttcgccc gtggccacta cacaattggc aaggagattg ttgatctgtg ccttgaccgt 300
 attcgcaagc ttgctgacaa ctgcaccggc ctacagggct tcctgggtctt caatgccgtt 360
 ggtggtggca ccggctctgg ccttggttct ctcttcttg agcgctgtc tgtggagtac 420
 ggcaagaaat ccaagctggg cttgact 447

<210> 23249
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F8

 <400> 23249

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 aaagatgaag agctacatga attccattat acaaagaatt tatttactct atataacctc 120
 catctctttg ttttaaataga catatgtgct tacgtatagc catgcaaagc tcaaccctta 180
 tcttctcagt gaagtttggt tgaaagtgt cctgtattta tgccttctcc aggcgaaaaa 240
 tggagttcag gttataagca tgcatttaag ttcaaattag tggacattta attgaaatgt 300
 attgttctaa ttttatctc tactgtactt gtgttccaat ttatcctgta gtttttttaa 360
 tgccagccag acagtgtaaa caaataattg tcagttttgc cacgattgat ttagattga 420
 taagattcat aagattgact tgagtcatat tgacactatt ta 462

<210> 23250

<211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F9

 <400> 23250

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 gggcaacaag atgcacgcac ttgtggagta cgagacgtcg cagcaagccg agaaagcagt 120
 ggagaagctg aatgatgaac ggaactggag gaaagggctc cgtgtccgca cagtgtcag 180
 gcgctcgccc aagtcagtga cgaggctgaa gcgtgcagac ttggaccact ttgtggccta 240
 cgacgcgcac tcgccgcact cctcatcaga ctccccgacg gcggactgct cttcacctgc 300
 cgaggcagcg gcggctgacg ctcacgtcta tcaccagcag cagcaagagg agcagcagaa 360
 tgggggcaag cacaaaggca gctgggctcg aggacgagct ggcacggcga ccaagctgca 420
 catcacg 427

<210> 23251
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-G1

 <400> 23251

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 cgatggctgt ggcgttgggt ttcttgggtga gcggcgcatg gtgcggctcct cccaaagtcc 120
 ccccaggcaa gaacatcacg gccacctatg gcaaggactg gttggacgct aaagcgacat 180
 ggtatggcaa gccgacgggt gccggtcccg acgacaacgg tggcggctgc ggggtacaagg 240
 acgtgaacaa gcccccttc aatagcatgg gcgcatgcgg caacatcccc atcttcaagg 300
 atggtctggg ttgtgggtcc tgcttcgaga tcaagtgcga taagcctgtg gagtgtccg 360
 gcaagcccgt ggtggtgcac atcacggaca tgaactatga gcctatcgcg gcgtaccact 420
 tcgatttagc aggcacggcg ttcg 444

<210> 23252
 <211> 220
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G10

<400> 23252

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agacccctgg tggcccggtg cctgatccg gcttgaaca tggccggtg cccgatgag 120

ccatggccgt gaatggcgaa gcaaccatca gaaacaagaa agattaaaca aaatagtgat 180

aatgcgtacc acataatcct tctgcacatt tctgtttctt 220

<210> 23253

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G11

<400> 23253

cacacgcgtg ctgcacatcg ctcaaaaat cttccattt cagcacgac tcactctaat 60

ggggtcttcc cacatgtgag cgaactatct catggatagg aatcacttca aagaccatgc 120

atccgccaat gacctgaccg actataagac tctccagatg ctccattacg tctaatacga 180

cactctcata cgcttgcag actcaatgat ataccaaacg atcaaactga cgaccaccca 240

cacatggcta gagaaagcca agctctagat cacatcccat aaggagacct tccttaggct 300

atagctcttg agaaccaacg tcattacgac t 331

<210> 23254

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G12

<400> 23254

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acgtgaact ccatcgtgtg gcccggtg aactccgcca ccagatcgt catggtttcc 120

tcagacgacg atttgccaga cggcgtattc gcagcgaatg aagaagaaga cggcatggat 180

acgtaccgtc ggcggcgacg cgtggtctgc ttgacgcggg ccagatctcc gatgaactag 240

agcaaggagg gcaggcgagc gggcgaacgg gcgaacagtt tcaaaatgct agggtttcac 300
gacgcgcaaa aaghtaagaa agcctgagcc acgccgactc cccctttttt atacatagga 360
cgcgacgctt caggaagccc gcagtccaac agtacacggt catcaacggt cacaataaaa 420
cccccgga 428

<210> 23255
<211> 249
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G2
<400> 23255

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gtgtcgcaaa acgcctggac tcgggtccaca gacaaagggtg aattataaca cgtgcccgcg 120
tttttagtcc tgccatcaga tacatgaaac tgaactcagg cttgttcggt tctcctattg 180
tggattgagt gagcttggtt gggtttaaat ccaatcaagt caaacttttt ttaaataattt 240
tttaattctt 249

<210> 23256
<211> 282
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G3
<400> 23256

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ccgggtact ccaacaactc gactgacatt catactaccg cattgttcac ctatggcgac 120
atcgaccctt gacttatcca ctaatagcat agcttgccat cagcgtcct cttcttttgt 180
cacttttagca ctcaaccact tccgccgtac tcttcgctg actgatgtta ccattcgtgt 240
aagctactct tccacatata ctagcctact actattaacc aa 282

<210> 23257
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G4

<400> 23257

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cgtgccagca gcagtagcag cagccggcgt gtgacgctgg tactgctcgg tctccgcctg 120
ctgcttcttg ttggtgttgc gcaggcggta gtggagttgg tgctgctga tgataatatc 180
gccgccgcgc ctgctggcac ggcggtggac gatggcgagc cgcctcagca gtgcgcgacc 240
ccggtgagcg tggaggaggc gtgccgcggc gcgtccgaga cgcacgccgg cgtggcctac 300
gaccactgca tggcgtegct gggcgccgac ccgcgcagca aggaggccgg caacaagaac 360
atgcacgggc tggcggtgct ggccaccagg atggccatcg accacgccgt cagcaccgag 420
tccaagatcg acgacctcgc ggagctggag gcggcgctcg c 461

<210> 23258

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G6

<400> 23258

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gcactcagac agggtcgggc aactcctgga ctcggtccac agacaacacg tgtactatat 120
cacgtgcccg cgttcttagt cctgtcatca gacacatgaa actgaactca ggcttactac 180
tattctacta ttgtggattg agtgagcttg gctggcttaa atccaatcaa atcaaacttt 240
ttataaatat atcttaatc 259

<210> 23259

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G7

<400> 23259

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cgactacggc gtcgacttcc ccggcgcca tcccaccgga aggttcagca atggcgacaa 120

cacggctgac ttcgtcgcga agagcatggg gttgaagagt agcccttcgc cgtatctgtc 180
gcttgacccc aacggctcca gccctctgct cgcgcagact gctctcacca ctgggtgtcag 240
ctacgcttcc gcagacgctg gcgtcctcga ctcaaccaac gagggcaagt gcatcccgtt 300
gtcgacgcag gtgcgctact tcaacggcac caaggcgaag atggtcgcca agaatggcgc 360
cgtcgcggtg agcaagctgc tggccgactc cgtcatcctc atgggcatcg ccaacaacga 420
cctgttcgtg ttc 433

<210> 23260
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G9

<400> 23260
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cagcgtgacc gtctgtctgg tggccctcct cctcctgagc agtggcgttc aggacgctgc 120
cgccatgcc a ggcacgttga actacgacgc gattgtcgcc gacgagccaa acggaaagaa 180
caaggacctg taccgccccg tgcccaacgc caataaatac acccgcggtt gcgagcccat 240
agaacgctgc agggggcgcgc gctgatcacc aagcatatac atatagcaca tcgatttctt 300
attattgcat gcacgtttat ataagtgtc attgtcttgc tgttgtaagt gccagcacia 360
gcatatatac ggcgtttata tatactacat actccgatcg ttaaaaaaaaa catgct 416

<210> 23261
<211> 444
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-H1

<400> 23261
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caaactggga tggggaaaca gaacaaaccc atcaaccatg gcgaactcgg cgtcggggat 120
ggccgtgagc gacgagtga agctcaagtt ccaggagctc aagtcgaagc gaagcttccg 180
ggtcataacg ttcaagatca acgagcagac gcagcaagtg gtggtggaca ggctggggca 240

accgggcgac acctacgacg acttcaccgg ctccatgccc gagagcgagt gccggtacgc 300
 cgtcttcgac ttcgacttca ccaccgacga gaactgtcag aagagcaaga tcttggtcat 360
 ctctgggtcc ccggacacct cgagggtcaa gagcaagatg ctgtacgcga gtcctaaaga 420
 ccggttcaag aaggagctgg aggg 444

<210> 23262

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H10

<400> 23262

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 gggcagcagt agcagcagcc ggcgtgtgac gctgggtactg ctcggtctcc gactgctgct 120
 tatggttggg gttgcgcaag cggtagtgga gttgggtgct gctgatgata atatcgccgt 180
 cgtcgctgct ggcacggcat gtggacgatg gcgagccgtc tcagcagtgc gcgaccccg 240
 tgagcgtgca ggaggcgtgc cgcggcacgt ccgagacgca cgccggcgtg gcctacgacc 300
 actgcatggc gtcgctgggc gccgaccgc gcagcaagga tgccggcaac aagaacatgc 360
 acgggctggc ggtgctggcc atcaggatgg ccatcgacca cgcagccagc accgagtcca 420
 agatcgacga cctcacggag ct 442

<210> 23263

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F6

<400> 23263

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 gaatttggtg gagagttgaa tatcacactg gtcaaaggca ccaacttggc cgtagagac 120
 atgctaacaa gtgatccata tggtgtttta acgctcggag ggcagaaagt tcaatcaacg 180
 gttaaaaaaa gtgatctgaa tccggtatgg aatgaagtgc ttaagatatc tgttcctcga 240
 aattatggac ctctaaaact tgaagtgtat gaccatgata tgttctcagc cgatgatatc 300

atgggtgaag cagagataga tcttcagcca atgatcacag ccgccatggc ctttgagat 360
 acttcacgtc ttggtgacat gcaaattggg aggtggttca tgaccaaaga caacgccttg 420
 atgaaagata gcacggtgaa tgttgtg 447

<210> 23264

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E11

<400> 23264

cccacgcgtc cgccacgcg tccgcccacg cgtccgcca cgcgtccgct cttcccttgc 60
 gggagcaaag agaagtagcc acaagcatgt ctggcatcat cgacaagatc caggagacgc 120
 tccacatcgg gggcgaccac aaggaggagc acgagcaca gaagggcgag gagcaccaca 180
 agaagggcga ggagcaccac aagaaggacg acggggagca caaggagggc atcgtggaga 240
 agatcaagga caagatcacc ggcgagcacg gcgacaagtc cggcgaccac aaggacaaag 300
 accatatgga gaagaaagat aagaagaaga cgacagagaa gaagcacggg gaaggccatg 360
 accatggtga tggtagcggc cacagcagca gcagcagcga cagcgactga tctcgctcg 420
 ccgagcgccg tacgcacata tgca 444

<210> 23265

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E2

<400> 23265

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 gcacctgctc cccccggag gccgttagcc tgctctgcac tgccaaggtc ccatgcaccg 120
 gcgtcaccat ggatgacgtc aacgtcgagt atagcggcac caacaacaag accatggcta 180
 tatgcacgaa cgccaagggc agcaccaagg gttgcctcaa ggagcttgca tgcttctaga 240
 cctccatcg actgacccat ctctctagtt ataattttc tctcgctctt gcattgcca 300
 ttagatgcta tccattggta acgcacaaca gtaaacgac agacatccga cagctatatt 360

atgttcgacg gtgtaacacc ctgaatttga ggggtataaaa tttcttctcc aaataccaac 420
 caaattcaag gggt 434

<210> 23266
 <211> 462
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-E3
 <400> 23266

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 ccagctgagg ccaccatctc cacacccaag gttgcacctg agaccactgc catccacatt 180
 gaggttgagg cgaaacaggc agtagttgag aaggtggagg aggacaagga ggaggcacta 240
 acagtggcgg cgaaacaaga gccagcagcc accatcgagc ctcaacagat tgctgggtgag 300
 gtgaccactt cggaagtggc ggctcgctgt gtcgagcctg agaacaaga ggaggaggaa 360
 gttgtggaga agaccgtcat cgagaaggag aagccatcag cagtccatga agaggaaaat 420
 atcgccaccg acaaggtggc agccgagccc acaacagaat tg 462

<210> 23267
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-E5
 <400> 23267

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 gcgaaccccc acctcgccgc tcccaccacc gcggccgggt tgcgtccgtt tcgattgccc 120
 aggatgagca ccgagtccgg ggagctgctc gggatcgacc ccgtcgagct ccggttccca 180
 ttcgaattaa ataagcagat ctctgcacg ctgcagctga cgaacaagac agacaagcag 240
 gtcgcgttca aggtgaagac gacaagcccc aaaaagtact gtgttcgccc aaacaacggc 300
 atggtggcgc cccggtccaa ggctgacgtt gttgttacga tgcaagcgca gcgggacgtg 360
 ccaccggaca tgcaatgcaa ggacaagttc cttgtgcaga gcgccaccgt cgccaaggag 420

gtcgtgccaa aggaggtcac tggagacatg tttaccaaag a 461

<210> 23268

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E7

<400> 23268

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agtaagagca ctgcagtccc aatgccggga cgataccagt actcaacagt ttgaactctc 120

ttttcatgga agtggaaaca aatattcatg tagcagtctg gcagaactag atcagctcac 180

ttgcaagaac ttgtgcactg atataattct tgacgtccct ggttctgata gagagatgcc 240

tcagttaggt gtcagtgtc tcatgtgcag ggacatctca ttaaacggtc aacgagtgga 300

aaacaaacat gagctttctg atcttgggca gaggggtcca caggtatctg caattgacaa 360

agtacttgat tccatgaatt cttatgggtga caattcgtat ggggagatgc catcagcttc 420

aaaaattctt gagctgtggg agcatgagag gtaaata 458

<210> 23269

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-E9

<400> 23269

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tcgcggagga agccgatccg cgggcactgc cggcacagtg gaccaccgcg aagaagtaca 180

aggccacgat ggacgccaag acgcggcagg ctttcgacgg cgtggtggcc gccgctacgg 240

cagagaagcg gtcccaggcg gtggaggccg tgctgcagca gcagctgaac atggacgtgt 300

ccctgtccaa ggcgacgtct tccggggacg agaacaacta cgtgagcgtg gccgncgtct 360

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cgttcgcgtt cgacggcgcg gt 442

<210> 23270
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F10

 <400> 23270

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 ggggagagga atcgcaaaga gggccgtctc atccgagtta aggaagccat ggagcacaag 120
 gaggctgggt gccaggcccc cgaggggacc atcctctgca tcaataactg tggcttcttc 180
 ggcagcgcg cgaccatgaa catgtgctct aagtgccaca aggagatgat aacgaagcag 240
 gatcaggcca agctgggtgc ctctctatc gacagcatcg tgaacggcag cgacgccgtc 300
 atggagccgg ttgttgctgg cagcaacacg gtagtagctg ttgcccaagt cgagttgcaa 360
 acaatgaacg tgcagcagcc cgctgatgtt gccggacca gcgagggggg ggcgcgatc 420
 tccaaagggg ggaaggtagg gccgaaccg 449

<210> 23271
 <211> 295
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F11

 <400> 23271

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 cgagctctat atcagtgata tcggcatctc gatcgagtaa aatgaccatc aacaacttta 120
 ctggccgggtt gcaggtttcc tttgccacct actatatgac tgacaaactc ttgttcgcgc 180
 tcacctata caaccattcg catgagatga cactgtctca ggccaccaat gtcaccgcta 240
 actcaaatca ggcgatctac atcgtttaca aagtgtatct ttaattggtc catac 295

<210> 23272
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F12

<400> 23272

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gtgacggcgt ggttcgtggg cgggctcacg gcgttcact cctacctcgt gtgcaccaac 240

cagaccacgt acgagaactt ccggtaccgg tacgagcgca aggccaaccc gttcaaccgc 300

ggcgccggca gtaacgtggc cgagatcttc tgctcgccgg tcccgccgctc ccggaacgac 360

ttccggggcca ggtgtcccc cgccgacctg gacgccgtcg cgctctatta 410

<210> 23273

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F2

<400> 23273

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ccgttcctgt tctgataaa acgagagaag gatggcagtg tctcagggag ctgtcctatt 120

cttgtttctc ctctcgtcg cagcagaggt gggaaccatc gatgccaaaa tgggagtagc 180

catgcccatt catgccttga taatggagaa agcgaaacag caggagaagg agaagaagga 240

ggagaaaagc acggagaagg aagagagtca atgcttatcg ccgagtctcc agttcgaggg 300

cttctgcttc aacagcgaca gatgcgccga ggtgtgcatg aaggagagct ttcccgggtg 360

cgagtgcaag cgggacgtgg ccatgcgcaa gtgcttctgc aagaagcctt gctagttcat 420

cggctcttgct aattgttgat ggggtgcttca ttaatttgat ttgatg 466

<210> 23274

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F3

<400> 23274

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tttagtaccc cgtcctccca atttcctttg tcattggctg ttgttgggtga tcttggtcag 120
 actagttgga caacatcaac cctgaatcac attaagcagt gtgagcatga tatgctttta 180
 ctccctggtg atctatctta tgctgattat atgcaacact tgtgggattc cttcggcaca 240
 ttggtggagc cacttgctag caaccggcct tggatgggtga cagaaggcaa ccatgagaag 300
 gagcacattc cattttttga gtcaggattt caatcttata atgcacgatg gaaaatgcct 360
 tatgaagaga gcggatctag atcaaatttg tactactctt ttgaagttgc tgggtgcacac 420
 attataatgc taggttcata cacagattat gatgatagct ca 462

<210> 23275

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F4

<400> 23275

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 tctgggccgt ggtggcatcg aggacatcaa gtacgtcggc agggccccgt cggtctgtac 180
 tgctacgggc ttctactcgg tgcacgtgca ggattagacg gagctgggtgc aaaaggccct 240
 gcagcgcgac cccatcaact acccgctctg aaagaaacga gacccctgta aattcttgga 300
 aaattgggca ccttttgatt ttgatatacc tctatagaga gagcaggcct taaggatatgc 360
 ctgtgctgct gtgcagccat ttgttgaaat aatcgtttcg gactctacag taccgcatta 420
 tatagtatat aatttcatga taaatattgt ataagtaatt at 462

<210> 23276

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E10

<400> 23276

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 gggcgacagg tgcctagtct ccatcagggtg ccatgtcttc ttcgggctct tcaccggcga 120

cgtgcactgc cagctctgca tgtatacacc caagtccttt actgggtccg ccgacgcccc 180
 tacgtacttc gttaggttta gtatgctgtt aagtttgtaa ttctagggtc tggaggggaag 240
 catagatctc aagaggggtg aaatttggtg gtaatttcct gagaatttca aggagacaag 300
 ggcgtggagg ttgattctgg agggatctgt gagcacagca gcagaaattt gaggttggtg 360
 gtagcctgtt gatccacgat ggtgggtaag gagctgggtg tgcaaaggaa tggccctggt 420
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<210> 23277

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C7

<400> 23277

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 cgctaagtag agtgtctaag tcttcaaaat tttcccttaa atattcttca aagtctcttg 360
 tcagaagagg aacaatgtcg cacagaaata tgcaagtact ggaagatatt gaagattgta 420
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<210> 23278

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C8

<400> 23278

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 ttcccttctc cctccctttc ggtttctgct cgattcatca aattagttta ttggagggga 180

gggagacggt aggtgggctg ggcgtctcag cgctgcgtg ctccgcctcg ggagaagccg 240
 agaaggtcaa aagaaatccc caccaccaac gcaggcgact cccccaatcc accatagctt 300
 cctattctcc ccatcaccag acgcccagag cccccgccc ccagctcgga gcaagcaata 360
 aaaggcaaag gtgccgactt ttctgaaccg cttgccctcc gtccacgcca tattggtcga 420
 ttgctcgatt cctcggtcgg tggagggacc ccggggc 457

<210> 23279
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C9

<400> 23279
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 tctgatgata aggaagatga catcagcctg aactttggta agttaacgcc tggactaaga 180
 aacaaacca ggcaaccccc accatacacc aaagtttcca gggagagcat tctgcctaag 240
 cagtccttgc ctaaggtttc tgctggcact gaagagtcag tcgattctga agagaatact 300
 acattcaaac aggatagaag tagtcccaaa agctcatttt cagccaggac ttcttcaggt 360
 aaagactacg acagtggact ttatgaaagg aaccgaagtg ttggaacaca ctgggaagca 420
 aatcaacca tagcaagaaa ttcctctggt ttag 454

<210> 23280
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D1

<400> 23280
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 accatagtcg tgaccttga gtactaccta ggagattcgc cttattgtga ttcttgtgcg 180
 cgatcacttc gagagagcgg aaaccagccg ttccttcctc aattgctcgc cggaggaggg 240

ccgtcacccct gtttccatgt cgtgccgtgg gcaagggggtt cgggcattac gatcaccga 300
cgagccatct acagaggatc tcggggttca gcagggtggag actgctgagc aggagctcgt 360
tgaagagatc aaagatgtgg tgtttgccct gaaacacaac agtgctccgg gtccccgatgg 420
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<210> 23281

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D11

<400> 23281

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ggggctattc aaacgtcaaa ccggatcact aggatccac tatcaactta atccaaattg 120
ttcattcaat atgtatatat atataattat atatccatct atctatatat ataagataat 180
gaggatcat taatgcatgc actcaattac atccatgtct aactcattct ttctcaacta 240
tatttgctct ttccttggca gatatcttga tgcaagcata attcacattc atggaaatga 300
tcacttacta gttatccatt atcaccattg aaccatt 337

<210> 23282

<211> 444

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-D12

<400> 23282

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ggggagatca tcagcccggt gcaccaccgt cacctggtgt cgctcgtggg ctactgcac 120
gcgggcaacc agcgcagct cgtctacgag ttcgtggcca acaacacgct ggagcaccat 180
ctgtacgcca aggacggccc tgtcatggac tggagcacc gcacgaagat cgcgctcggc 240
tccgccaagg gcctcgcta cctncacgag gactgccatc ctccgatcat ccaccgcgac 300
atcaaggccg ncaacatcct gctggacaac aacttcgagg ccatgggtggc ggacttcggg 360

ctggccaagc tcacgacgga caccaacacg cacgtctnca cgcgcgcatat gggcaccttt 420
cgctacctgg cgccggagta cgcg 444

<210> 23283
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D2

<400> 23283

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catctgaaga taccatctat gacttcttac tcagatgggc ccgtgcacaa tacccgaaat 120
cagaagagag acgtgaggtc cttagttctc ggctgctccc tcttggtgca ttcagtcata 180
tgacgtgtag gaagctgcgg aaggtcctag cctgcacaga tatagaccac gagcaagcaa 240
ccaagtgtgt caccgaggct cttctgttca aagctgatgc accacaccgg caacgagctc 300
ttgcagcgga cgcaataacc tgccggaaat tcgccgagcg ggcttacaag tacagaccac 360
tcaaagttgt tgagtttgat cggccctacc cacagtgcac agcatacttg gatctcaagc 420
gcgacgagtg ctctcgactc tt 442

<210> 23284
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D4

<400> 23284

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ccagcggatc ctggtctacg agtacatgcc caggggctcg ctggaggacc atctcctgga 120
cttgcccccg agctggaagc ccctgccgtg gcacacgcgg atgcggatcg cgggtgggccc 180
ggcgaagggc atccagtacc tgcacgaggt ggcaaaccgc ccggtgatct accgcgacct 240
caaggcctcc aacatcctcc tggacgcgga cttcaacgcc aagctctccg acttcggcct 300
cgccaagctg ggccccatgg gcgaccagag ccacgtcagc accagagtca tgggcaccta 360
cggctactgc gccccgagt acgcatgac cggcaagctc accaagatgt cggacatcta 420

cagcttcggc gtcgtgctgc tcgagctca

449

<210> 23285

<211> 275

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D5

<400> 23285

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taagtacat ggcctcaaat gcagcgacaa cctacttggt catggtatct gtcacttatt 180

gtacagctgt taagacattt cacaaaatcg gactagagtg atacttaata cagtgtcgtt 240

tctactgtga cacctgcaag cgccggtggt cttga 275

<210> 23286

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D7

<400> 23286

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tacaatgctt tccataacat tgcttcttca agttacaatc ctgcacctat cagaaattcg 180

tcctcacca attgcttgcc agttccaagt tctatcgatg atcaactccc acgatatgga 240

actaatgcat ggctctcagc cggtaacctat gaccttaatg gaggggtcaa caatgctggg 300

aattcgaga gaagtttccg ggcaagaatt actacgtctc aacagattgc tccctgtagt 360

gtatggccct cttcaaatgc tatcagactt cctaattcat ggaatcatca gctacctcat 420

tttcaaagtg catttgatga taccatgag gttattc 457

<210> 23287

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D8

<400> 23287

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gcttacattt tcttcactct gcctaattgtg ctgttttcta tgatcagagg agaggtaggg 120

aaatggattg cgattattgc tggtattctg cgactatttt ttccgcgcca cttcccagat 180

tggttagagc ttcccggttc catcatcctg ctcacagcag cgtccccag tctgttcgca 240

cacaccttca gggacgacct cgtcgggtgc ttcatatgcc ttgcgatcgg atgctacctg 300

ctccaagagc acatcagggc gtcagatgga ctcaggaacg ccttcaggaa gggcaatggc 360

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cagatcctgt aggcgc 436

<210> 23288

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-E1

<400> 23288

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ggccgcgcca aggcaaagct agaagaagac aacgcaaagg gagaggacag aggaggagca 120

gaggacgatg ggcagcggcg gcgctaacac tgccccctt ctcacccctt acaagatggg 180

aaaattcgat gttaccaca gggtagtctt cgcaccactg acgagacagc ggtcctacgg 240

caacgttccc cagcctcatg ccatactgta ctatcagcag agggcgacta aaggaggtct 300

tctgatcgct gaggccacgg gggtttcaga cactgctcaa ggggtacaagg aactcctgg 360

catttgacc catgagcaag tcgaagcatg gaagccgatc gtagacgggg ttcaccagaa 420

aggagggata tttttctgtc agatttggca cgtanggaga gtctc 465

<210> 23289

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B2

<400> 23289

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agcagtgtga gtgacctccg agctctttgg accaaacagc atcgggtgtga accacaacat 120

cctgatcacc aacatccccg tgggggtcact cctctatggg cagatcgccg ccatgggtgta 180

cgacgcgaat ggacaaagga tgacactgat ggataatcgc actggcatca ttgacaccat 240

gattgtgtgc atgggggtga agtgctactc gaccaccttc ctctgtgtggg gttgcatcac 300

attgctgggg ttagtgtcga gcgtagttct gttcataaga acaaaaccgg cttatgctgc 360

tgctgctgct gttggtcggt cgagttgtaa gcaccttcac caagttttca gttaacggcg 420

gatttcttgg tcaaaacaaa t 441

<210> 23290

<211> 416

<212> DNA

<213> Zea mays

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<400> 23290

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ccaggaaagg gcagctcccc tgccctcatgc ccatcaaata gttaaacttg ttagatcggg 120

aggcagagag aggccagact gatgggaatg gcagccaagg agcactttgt gcttggttcat 180

ggtgaagggc atggagcctg gtgctgggtc aagctccgct ggctccttga ggggtgctggc 240

taccatgtta catgcattga cctagccgga ggctgctgtc atcctactga ccccaacaca 300

attcggtcgt tccagcacta cgacaagcca ctcatagacc tcatttcaac cttgcctgaa 360

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<210> 23291

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B4

<400> 23291

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atgcggtggaa gatggattca gcatatgaga aaggcaagct tatcaatccc atcaaacatc 120
tagatatatc actccaacca ccttctcaaa ctgccatctc caaatgacat ccgttccata 180
cgaactaaca gaatctatac cactttattc tat 213

<210> 23292
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B5

<400> 23292

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ggcgggcgcg acgggttaac tgacaccacg gacggcggct cgtgcggcta caagggcgag 120
ctgtacacca acggcacccg gtgcggcgcg tgctatgagc tcaagggcc caagggcacc 180
gtggtggtga cggccaccaa cgaggccccc ccgccggtga gcgggcagaa gggcgagcac 240
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atcacctacc gcaaggtggc gtgcgagagg aaaggcggca tccggtacac gatcacggtg 360
aaccagcact acagcgaggt gaaggtgacc aacgtgggct gcgccggtga cgtggtggcg 420
ctgtgggtga agggcaacaa gcgcgttaag t 451

<210> 23293
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B6

<400> 23293

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aaaaaaaaaa aaaaaaaaaa aagggccacc tattttaaag acacaagctt acttttataa 180
aacattcaac actgaaaaaa ccctatagtc tcacataaat taaattaata tgagcatatg 240
ctttaaaacg tcatgactgg taaaacccaa gagttcccca actaaatccc tttaaaacaa 300
attcacattt taaaagctga attaaactct aaatgtcccg gcacattaac ctcttcaaaa 360

attggggaaa cccaaattga aaatggtaca ctccatatac ctataaatta atcccttttg 420
 tttt 424

<210> 23294
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-B7
 <400> 23294

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 ccagcggcgg gcgcgagttc gtggccggcg ggggtggcgg catggcgggc gtgctggcgg 180
 gccacccgct cgacacgctc cgcacccgcc tccagcagcc gtccgccgcg ggcgcaccac 240
 gccgccgca cgcgaccccc tcagccccgc gccttctacg cggcatcctc cgcgccgagg 300
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 cgatgggtgtt ccaggtgtat gcggctcctgt cgcggctcgt gggccccgct accttcgagc 420
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<210> 23295
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-B8
 <400> 23295

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 ggtgccgcag acggccatgg gtctgcgaag gcgccttgcc ggaaagatcc gttgagcccg 180
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 caggcatagg tggcggagat ggagctgtac ccatatctgc gggctggcta caatgtgaaa 360
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ctttaccgat gcaatatatt gagaagctac tcttact

457

<210> 23296

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<212> DNA

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<400> 23296

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gacggcgagg tctcgcggct tcggcttcgt taccttctcc tccgagaact ccatgctcga 180
cgctatcgag aacatgaacg gcaaggagct cgacggccgt aacatcaccg ttaaccaggc 240
ccagtcccgt ggcggtggct gcggcggcgg tggctacggc ggcggtcgtc gcggcggtcg 300
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cgaggggtggg ggcggcggtc acggaagcgg tggcagctac ggcggtccta gcgagggtcg 420
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<210> 23297

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C1

<400> 23297

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catcaccaag ttgggcgcct ccggcaatgg caagacagac agcactaagg ctgtgcatga 180
ggcatgggca tcggcgtgcg gcggcactgt gaagcagaca atcctcatac ccaaggggtga 240
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agatggcaat ctgctggcga ccacggacct aagccagtac aaggaccatg gtgattggat 360
cgagattcta cgtgtggata acctgggtcat caccggcaag ggaaaccttg acgggcatgg 420
cccagccgtg tggagcaaga actcctgctc caagaagtac gac 463

<210> 23298
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C10

 <400> 23298

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 cctctcgagg cagcgactc ctggtgcagc gctgcgtcac ctactatcga gagcgccgcg 360
 tcagagaagg c 371

<210> 23299
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C11

 <400> 23299

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 tataatgtta ttcagcaccg atgaggcatc aaacaaagcc gttatctatg ctggtgtgcc 300
 tcccaatgct cctagcggct tcaagggtgt ggactggcta acaccttcaa ttgcgccact 360
 caagggaaga ggcggtggcg gcaagaacgg cgtcgcccaa ggccaaggga gtgacgcttc 420
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<210> 23300
 <211> 427

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C12

 <400> 23300

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 agccccagct gaggccacca tctccacacc caagggttgca cctgagacca ctgccatcca 180
 cattgaggtt gcggcgaaac aggcagtagt tgagaagggtg gaggaggaca aggaggaggc 240
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 tgaggtgacc acttcggaag tggcggctgt cgttgctgag cctgagaaca aagaggacga 360
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 aaatatac 427

<210> 23301
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C2

 <400> 23301

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 tttttctttt gttggagggtg ctttttatga aaacatgatg caagttgcca gatgtgtaac 180
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 caaggaccaa ctgcggtgtc ttatcccatg tgcaatagat caggatccat attttaggat 360
 gactcgtgat gttgctccta gaattgggtt tcagaaacca tcaactgattg aatctagatt 420
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<210> 23302
 <211> 359
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-C3

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gcagatagct atgagactac atgttagagc tgaagatgta ctacgtgcta gtgatgctgt 180
agctaagaca ctgaaattgt ttggccctta ctggataaaa aaccactcgt caatttcatt 240
atgttatcgc atagtagaag gggaattcac agaaagcaca taagcagact cacttatcag 300
accagactct ctaagtagag tgtctaagtc ttcaaaattt tcccttaa attttttaa 359

<210> 23303
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C4

<400> 23303

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gttgcgggcg cggtgaagcc ggcgctggcc aaggggacgc cgtcggcgtc gttccggctc 180
cgcaacggga gcctgaacgc ggtgcgcctt cgccgcgtgt tcgacctgtt cgaccgcaac 240
ggggactgcg agatcacctg ggacgagctg ggcgatgcgc tggatgcgct gggcctggac 300
gccgaccgtg ccgggctgtc cgtcacctgc ggcgcctacg tgcccgactg cgccgcgggc 360
cttcgcttcg aggacttcga caagcttcac cgcgcgctcg gtgacgcctt cttcggcgca 420
ctgggaggcc aggacgacgc cacc 444

<210> 23304
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B12

<400> 23304

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cccacgcgtc cggacaaaac atggatgtga atgtgagaac catgtgggtcg tcgatgcggg 60
cgcaggttgc gatggctgtg gtgttggtgt tcttggtagag cggcgcatgg tgcggtcctc 120
ccaaagtccc ccaggcaag aacatcacgg ccacctatgg caaggactgg ctggacgcta 180
aagcgacatg gtatggcaag ccgacggttg cgggtcccga cgacaacggg ggtgggtgcg 240
ggtacaagga cgtgaacaag ccccccttca atagcatggg cgcattgcggc aacatcccca 300
tcttcaagga tgggtctgggt tgtgggtcct gcttcgagat caagtgcgat aagcctgtgg 360
agtgtctcgg caagcccgtg gtgggtgcaca tcacggacat gaactatgag cctatcgagg 420
cgtaccactt cgatttagca ggcacggcgt t 451

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<210>      23305
<211>      339
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-022-Q1-K1-H9

<400>      23305

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aattgcaaca ccttaagtct cattttacct atattgtctt cacacacaca catggaggac 60
tcgtcaaata ttgacacaca agtggggcct tgtcttatat accattcgat cgtctatgat 120
ggtcaatact tacctactac tgcttccagc ttcttcgctc ttgtattgta agacctaaat 180
tgaaagtacc ggccgtgcaa ttacatcgta gcctctggaa atactccaga ctgaccaaac 240
ttacttgctt atcttcatat ccacctttaa caacatgacc aattatcaaa tatgccattc 300
ctatttgacc tatccaagac tttcacagcc agtattgcc 339

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<210>      23306
<211>      370
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-023-Q1-K1-A1

<400>      23306

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acgcggacgc gtgggcttgg cattcgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaggaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaataaaa 120
caaaaaaaaa aaaaaaaaaa gaaacatata taacaatccc gctgacgaag tgaacctcgg 180

```

atgatatgga gagggaccaa gaacctttgt tacaccgaac aatggggccg tcgcaactac 240
gaatacgtct tgctcagctg cgactccatt cccgtttctca aaggactcac gcccgtcgag 300
tgctacaccg acttcatgcg cgcgtttcgc gaccacttcg tcgactacct tggcaacacc 360
atcgtggaaa 370

<210> 23307
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A10

<400> 23307

cccacgcgtc cgggcaagca caaagatggt ggactgaaaa ttacgagaag gtcattggagc 60
tggacaacgt tcagaagtct aacagtcaag ttgatcctct gccaaagcatt ccaaggtctg 120
acagtgagat ctccaaagac gataccccag ctacagcacc gcttaacaag gggcaattgc 180
tacgtacttc acccagacca ctaaaaggca gtgaagccat aggctattca tcttcggatt 240
gtcctcagca ccaatccagt catcttcgca acgtttaccg caaagaccgc taccttgggc 300
accagttctg tgatccagtt gaactggcat cgacgcctga gttatcaagc atcagtgggtg 360
cgaagacaga gacgtctatt ggtgcatcag tgaggacaag ctcatctnct gaagaagtcg 420
atggatcggg cgaa 434

<210> 23308
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A11

<400> 23308

gcaaagcata agagatgata tggaatctgt tatctattag ctcatgaaat taataaacac 60
tggatctatt tacaagccag caccgaaact agacactcac aatcccaaata ataaataacc 120
tcaatcctac aaacatacta acacctcacc gagacactat gtaaatcata tccatcatat 180
cttactacat actcttctta aacatcatca ctacgacatc aaacataaat cagcatcatc 240
atatgccaat aaacccttcc gcgaccact tatcctcgac cgtaacaac tacattatcc 300

atttcactct ac

312

<210> 23309

<211> 443

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-A12

<400> 23309

cggacgcgtg ggcggacgcg tgggcgacg cgtggggccc gagatccaac ggcgtctgat 60

ggggagcaag ctgcagcaac acctcggcac ctgacctggc catgcatgca cacgtatact 120

ataatctaac aacgtagctg acctgggcaa attgccagcc tgacaggggc cagggtgctc 180

gaatgtctca ctctcaccgc cgactaactt tccatcaaaa ttgattcttg ttcatactcc 240

atagcatgca cagattgatt gaactgctac ttgagattct tgtcattggg attagagaga 300

gagacagaga cagaacgatt ggcatagcat gcagaattgt ttggaagaag ctagcanagc 360

agttccttgt ttgtatcctc tgtaccagaa gatgagtttg atctaggatt aatccctgca 420

aggcaaggta aagtaaattc atg 443

<210> 23310

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A2

<400> 23310

acggcagact ggccagggcg tggcggcagg cgtcaaggac acggtggcgg tcgcggcggg 60

tgtcgtcacg aacactgtgg cggtcgtggc ggcgggctgc acgaacacgg tcacgggcgc 120

cgtggcgggc gtcacgaaca cggtgaccgg ctcggcggcg ggtgtcaagg acaccgtgac 180

ggcgggccac tgatecgacg cccaagaatg cttcatgcat ggccaagtgt tgagggtttg 240

aggccaaaga tggcttgaat ttccgtcctt tttttgcttt attttttgac attattgttt 300

taacatgttt cattcaccgc tctctgattg ggattgtgat cagaccgcc tgcaataaaa 360

aaggccatct ttact 375

<210> 23311
 <211> 474
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-A3

<400> 23311

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acgcccacgc gttcgccac gcgtccgaaa tgaagaaaat aaaaatagtt gcaagaaaat 60
ttcctcgctc caacatcagc tagatttata atccaaggat caagaagctc agcaaaatat 120
tctttctcag atagaagaag tgaagaggga gaatatTTTA ctacaggcaa agaacacaga 180
aatggaacaa gagctcttaa aagctcaaaa atgtagccat gataatatgg acaagttgca 240
cgatgtggaa aagaactatg ttcattctcg ggataacttg aaaaacttag aggataagat 300
ctcaaattta gaagatgaga atcatttatt gagacagaag gccttgaatt tatctcctag 360
gcacagccga actgggagtt atcactgcgg ttcttcacca tgcagcccaa aatcattcgt 420
tgaatcttca cctgtgaaac ttgcacctnc cnctcataac cagacagaat caag 474
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<210> 23312
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-A4

<400> 23312

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cacaggatta gttcaataag gaggagctgc tggagttcta cctgaagcag gcggcgcgcg 60
ggaggaagct caagttcgac atcatcccca cgggtgcacct gtaccggcac gacccttggg 120
agctgccgag cctggcgcgcg gtcgttggcg agcgcgagtg gtacttcttc gtgccccgcg 180
acggcggcgg gcggcgggcc aagcagcagc ccggctccgg cggccggcct agccgcacca 240
cggagcgcgg gttctggaag gccacggggt cggaccgogc cgtgcggtgc gccgtcgacc 300
ccaagcgctt catcgggctc aagaagacgc tcgtctacta cgagggccgc gcgccgcggg 360
gcaccaagac ggactgggtc atgaacgagt accgtctncc cgacgctgcc gacgctagca 420
gcgacgcgcg cgtgccgcat gtggacgtgg tgct 454
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<210> 23313
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A5

<400> 23313

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catcgccgag cgcgacggcc cgggccggta caacttcgcg ggctacgcgg agctcatgga 60
gatggcgcg c aaggccgggc tcaaggtcca ggccgtcatg tccttccacc agtgcgggcg 120
caacgtcggc gactccgtca gcatcccgct gccgcggtgg gccgcggagg agatggagag 180
ggaccaggac ctctgctaca ccgaccagtg gggccgccgc aactacgagt acgtctcgct 240
cggctgcgac gccatgcccg tcctcaaggg acgcacgccc gtcgagtgtc acaccgactt 300
catgcgcgcg ttccgcgacc acttcgccga ctacctcggc aacaccatcg tggaaatcca 360
agtcggcatg ggccccgccg gcgagctgcg ctaccgctcc taccgggaga gcaacggcac 420
ctggaagttc ccaggcatcg ggccttcca gtgcaacgac aggt 464
```

<210> 23314
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A6

<400> 23314

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cgccaccacc accgtcaccg ccatcgctcg cccggatcgt caacatggca gccgccctcc 60
gtgtctcat cgcgctctc gccgtcgtct cggctctctc ccggcgcgcc acggcgacta 120
cggccccac cgtcgtcgac gaggcgtgca agcagtacac caagtaccg gagctgtgcg 180
tcaagtccct gtcgtccgcg gcgccggagg cgaaggcgaa ggcggagcgg ggcgggctgg 240
cggggctggc cgggctggcg ctggcgcagg cggcgcagtg cggtgccgag acggtggcgt 300
tcgtcaaggg cctggagaaa atgccggggg gcatgccgcc cgtgtgcctg aacgagtgcg 360
tggccaagtt ccagggcgcg ctggtcgacc tgcagcggtc caaggtggcg gtgcagaagg 420
ccaaggacga ggccgtcgtc gacacgtggc tcacggc 457
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<210> 23315

<211> 174
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A7

 <400> 23315

 cccacgcgtc cgggtggaagt ggagagagtg gtgccagat cagcggggac tcgacaacgg 60
 tgggtggttc atgggaaacg gcggacagct agcgggcggt ccggtgatcg gtgtggccgg 120
 tggcccggat gagtcagtta gagagcgagc tttttttttt gatacggggg agtt 174

<210> 23316
 <211> 460
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A8

 <400> 23316

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 caaaagctct ctctcttctt tccgctcagt gcaccaatca ctgcaacata ctggcctgag 120
 gtcattgagt tggtgaaagg gaaggagggg gtatcatggg catctcatcc aagtggatta 180
 aatccttggt tggcataagg aagcaagaaa aagcgcagaa tgcagaaaag caagaaaaag 240
 ggtggaacgc tgagagcagt gaaactagga gctctgctaa tcaatcactg cacaacgga 300
 aacattcttt ggatcccga gctgcacttg cagtcgaaga aattacagta caaagtgaag 360
 cattgactga taacaaaagc gcacaaatgg tttcaaattc atttttttca gacagtacac 420
 cgcttgatgt gcaaatttct caggctggac atcatagtaa 460

<210> 23317
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A9

 <400> 23317

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 agggatagca tcaagattca cggatttttag actgcaaatt tgaagtgcct gtgtgtgcct 120

atcatatgat accatgat accaggtatt gaagcttcgg aagcttggtg gccttcgtaa 180
catcagtagt cggtattcat ctgaatatgt gtcattatct catttgataa gactggtatt 240
gatgcaagtt gtccttgacg tatgttttgt aagtgttacc tgcataaaag tatcggttct 300
ctgcggagct gtctgtact gatattgaat aacaagagag attgctgttt gtaattcgtc 360
tatgaattat tatgatcttt cccagactt gagcttt 397

<210> 23318
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B1

<400> 23318

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aagaagtact cgcgcaagct gctgaacaag gcgaagctgc tgttcacgtt cgccaagagc 120
cacctgggca gctacgacgg cgagtgcctt ttctactgct cctactcggg ctacaacgac 180
gagctgctgt gggccgagac ctggctgtac ctggcgacta ggcggcaggt gtacgcggac 240
ttcatcgctc acgaggccat ctctgcgagc gtggccgagt tcagctggga cctcaagttc 300
ccggcgcgcc atgtgctgct ggccgagttc aacatgacct cggcgggcgg cgcgcagaac 360
ttcaagtcgc atgcggacaa ctctgtgtgc gcggtgctgc cggacacggc gtttc 415

<210> 23319
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B10

<400> 23319

cccacgcgtc cgcgaaaacc ctgcggcgca ggagcgctct ccgtcccaca cacgcgcgcc 60
ggggcctccg cagtcgcac ctgcctccac gacttgctgt gctcgtgcgc tactctctc 120
gagcgcggcg cggagcacgg ggacatcaaa tggcggcagc ggcggagatc ggtggtttcg 180
cggcgcgag agtggcggtg gcgacgtca cgccggtgc gcaccagcc ccggcgggcg 240
cgggtggcacc gcagcctagg agggcggtgg cggcgagtc gctgcagacg accgccaccg 300

aggcgctgac ggcggatctc gccggcacga ccaacggcgc tgtgcatgct cggatgaata 360
gtaaggcttc acgtgaaatc acttcac 387

<210> 23320
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B11

<400> 23320

cgcacgcgtg cgcaaaagcc ctccgaccgt ctaacgctct acatcgtata catgcgcccg 60
agagcctccg gaactgtgac cgcggctgca catactatgc agctcctgca ctacactcct 120
atagcgcggc gcggagcacg ctgacatgaa atcagagccg aagcaggaca ctgggctgta 180
tgtggttgcc agagtggctg tcgcgacgat gaggacacct gtgcacatac ttaatgcagc 240
gtaggagtca ccgcaggcta agaacgcggg agcagctaata tcagttgata cgaacaacac 300
cttggcccag tgcgagctag tcacgaggag catgctacgc agtcaactca caaccttgaa 360
taatgacgtg acaga 375

<210> 23321
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-H11

<400> 23321

atttgaaaca gttaagaatt catatataag agtgcataata tatatatata attctgccaa 60
gacaaaggta atggagtcgt cacgcatgtt ccagccggcc atcatcctgc ttctcctgct 120
cattgtgacc accgatgtgg cgcagtcggc gagggaaatgc gagaaggaca gcgagcgatt 180
ccttggggca tgcagtcggt cagacaactg cgccaacgtg tgccgcgggtg agggcttctc 240
cggcggcatg tgcagcacct tccgccgccg ctgcatctgc actaagccgt gctaaattaa 300
cctactcccg gcagttcgat ggtggacgtt tattctatct attggcttac ttgattcttt 360
gtcccctaac aatacgataa cgcacgtgct gacatgtacg ttgtgtggca tatgcttttc 420

<210> 23322

<211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B11

 <400> 23322

 cggacgcgtg ggctcccaac cattcgtcca tatccccctc ccaacaaaaa aaaggggaaa 60
 acgccccatca atggcgatct gaatcaacca aggcattctgg aagcttggac atggagcgga 120
 tcctcaagtc ctccaggagg tggggtccc tgaacctctc caatcgctcc ctccaggaga 180
 tacccaagga ggtgtacaac aacttggaca ctggcagcca ggatgagaaa tgggtgggagg 240
 gaggtagacct ccaaaagctc attctggctc acaataatct tgagggtgta agagaagacc 300
 ttaggaactt gtcttcgctt gctgttctaa atataagtca caacaagata tcttcccttc 360
 cagcagctat cggagatctc ccgttgctaa catcactgga catatctttc aatcaaataa 420
 acacttctgc c 431

<210> 23323
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B12

 <400> 23323

 cccacgcgtc cggacactga atcactgata catcatacat gcatgcatgg gatgcgatga 60
 cgatttgatg catgcatgca tgggtatacc taccaatttg atgaccgacg atgtatagtt 120
 tcgtcgactg cttcatacac atatatagca gcccaattaa tgtaacgtta cgcaaagtct 180
 tatttgcgag gtatgacatt acctctacaa tgctatagca cataatagca gttgctaagc 240
 cacgggttcg cagataatca tcatgcatgc gtgcacat 278

<210> 23324
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B9

 <400> 23324

cccacgcgtc cgcggacgcg tgggctgcag tcctctctc caccaccacc accaggetca 60
 tggacagcca gctcgcgaaa ataatgaaga gccggagcat ggcacatcgc gccgcgctct 120
 tgggtgctagc cctcgcgcta gtggcggaca ccgccccaca tgtagcggat gcacagagaa 180
 gagagcggcg gagagcggcg agggcggcga ggcgaagaag atccaggacg acttctgctc 240
 gacgctgtgc gagggcaaga aggggacgga cctggctcgtg tgcaatgagt cctgcgctct 300
 ctaccagcag tccaacctgg tgctgtactg catgatccag tgcacgggca agtgcaccga 360
 gcagaatggc atcacggcgc cggcatgaat gtctgccagg aggagtgcga caaggcgtac 420
 g 421

<210> 23325
 <211> 320
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-C10
 <400> 23325

cccacgcata cgttcatata cattttgcat ttctaccca ggcagaccac acagggactc 60
 agcgctagaa gtcgatcgcg taaagtcata ccagaatcaa cactccaact gtcacatcgc 120
 tcgatggaga tcaacgtcgc tgcctcacgg ccatgatata cgaaactccc ccgatccgt 180
 ctccagaagc atgcgccagc gtcactgcaa ctgcagcagg ctgtcgccag cgctgcgact 240
 ggagcaccgt ccacagtgtg gggagactgg agggcgccta tcccgtctct gtcgccgatc 300
 gtcacgtcgc ccatggttcc 320

<210> 23326
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-C11
 <400> 23326

tcccactctt tcgtccactc gtccttctc cctttttttt tttttctttt ttttgggtgt 60
 tcggtttttt ttttttctct tttttttttt atcctttttt ttttttctcc aaatacataa 120
 cccttatata tgaaacctta tgccccgtgt tcaaaaactt atttttacgc acgtctcttt 180

aaacaagctt tctgctacat ccagccttat ccgctagttc ttccacttcg aaccctcata 240
tattgccctt cttgaccatt tcttttcttt tttcaccttc cac 283

<210> 23327
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-C12

<400> 23327

agctcaagga cagccacgag gaggacatct gccaggtggt gctggtggcc agcccgcgca 60
aggactgcga cgaggccag gcgctcaggg accgcgccgg cgtcctgctc accaggaacg 120
ttggcatctc cgacagcctg cgccccgcca acccgctagg ctacttcaag gacgtgccgc 180
tccccgtctg cgccgcgctg ctcaagcagc tggactcgga cgacgacgac gaccagtaaa 240
ctataccacg gcggcgctgc ggacatgctg cacaaaacta caacgatata gagcgaacgc 300
atggcatgga tagcagtatc tacggaaaga aaaggaagaa aaggaaaata aaaaatgtat 360
cagagtgcctt gattcacttg ctgctgtcac ccattccccg ttcttaacat aacatgtggg 420
ccggcttggc ccatgcacaa gcccatc 447

<210> 23328
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-C9

<400> 23328

ttgaagcccg gcacgcgctc agttttccgt ttcacttcca gcccatgcca tgcgggtcct 60
ggcccgaac ctcgagcgat tcatgccaga tccggccatg ctcgacacat gatgacttac 120
ccgccggcgc cgatggctgc tctctcagc caagcacacc agacaccatc gccgaccact 180
aaggtgaaac ctccgacact gtcactgtaa ctggatcacg ctcgtcgaca gctgccggac 240
tgaatgcacc gctcaaggcc tatctgatcg cgctgtttct cttcctcatc ttctcgaagc 300
tctgcatgca gccattcct cc 322

<210> 23329

<211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-022-Q1-K1-D11

 <400> 23329

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 gaggatttca aaagattgct gtgtcaaggg atgacaaaact ctgatcagac acatgataga 120
 caaagaattg aggacccacg tggctttgct atgttggctt ggacatgtct agagcgtagt 180
 gttctcgcta tcatttgctc attttgtgat aaactcttga agcaatatgt cgtcgctttc 240
 cctgaaatta atgatgaggt ggtctacagc tcccttgaat tcctcatcct tgctcgttat 300
 ggactctggg atgttt 316

<210> 23330
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-D12

 <400> 23330

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 gggactgcga cgaggtccag ggcgtcaggg accgcgccgg cgtoctgctc accaggaacg 120
 ttggcatctc cgacagcctg cgccccgcca acccgctagg ctacttcaag gacgtgccgc 180
 tccccgtctg cgccgcgctg ctcaagcagc tggactcgga cgacgacgac gaccagtaaa 240
 ctataccacg gcggcgctgc ggacatgctg cacaaaaacta caacgataca gagcgaacgc 300
 atggcatgga tagcagtatc tacggaaaga aaaggaagaa aaggaaaata aaaaatgtat 360
 cagagtgctt gattcaattg ctgctgtcac ccattccccg ttcttaacat aacatgtggg 420
 ccggcttggc ccaggcacia gcccatc 447

<210> 23331
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-D9

<400> 23331

gatccacggt ctccgcgccc cctcaccgga tcagctcgag gaagcgggtg gtccagatgc 60

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tcctgggtctc gtacatgtac gtggctgtgt gaatcttcct ctgatacttc gagatcgtct 180

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cacgtcgccc gacaagtctg agaaggcccc cacggcgtcg tctgaggatg gtgcggctac 240

ccccgctaag gccccagctt ccggggcctc caactcagag gcgtcacctt ccgaggcacc 300

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<212> DNA

<213> Zea mays

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<211> 440
<212> DNA
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<223> Clone ID: LIB3066-022-Q1-K1-F9

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<210> 23336
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-G11

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<210> 23337
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-G9

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aatgatcctt caaagacatt tggatcacca taggacatct cttatgcact gatcacgac 360
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 ggagattgac ggattcggcc gatttgcgct cgtctccgtc attgtttttt tgcacccaga 360
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<210> 23339
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 <223> Clone ID: LIB3066-021-Q1-K1-G4
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 aagcatcgca tacctcaaac tcacactcaa cctcaccaac atacacctca agcactga 180
 ccgacctga cacactcata cttaccgatc tc 212

<210> 23340
 <211> 410

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G5

 <400> 23340

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 caagagaact aaagatgggt gtttaaaaca ccaaatttgc ttgcttctca cacgctatct 180
 tttgcaaact ttagcctaata cgcgtgtaaa gcatatttgc ttgataaagt cccctgaact 240
 ttctttttgat gcaaacaaga tctccatgct gaatcaaaca tggtagataa aagggcataat 300
 ctctatagtt ctgacatgcc accttttgcg gtctctagga ccaatatttt ggtgcctcaa 360
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 <212> DNA
 <213> Zea mays

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 cggctacgcc aagctcgcgc tcaagtgcac ggagatgcgg cggagggacc ggccggacct 180
 cgccacagtc atactgccgg agtcaaccg gttaaggaac ctcggccacg cgtacgaggc 240
 acgcatg 247

<210> 23342
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G7

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agggtacgag acgcccggga gcctaccgtc gaacgtgtcc gagtgcgtca acggataggc 300
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<210> 23343
<211> 261
<212> DNA
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cacactcacg ccaaacgtgg tgggtggcgaa ggacggcagc ggcaagttca agaccatcaa 180
cgaggcgctc ttcgccatgc cgaataccta cgacgaaga tacgtgatcc aagtgaagga 240
aggggtgtac gacgagtacg t 261

<210> 23344
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G9

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ccgccacgaa ccgcttcaac gcggacgtgc tgagggccac gacgcggtg gcgctggcga 360
ggtacgatgg cccgtgcatg gcgaccaacc ccatcgaccg gtgctggcgc 410

<210> 23345
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H1

 <400> 23345

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cctcgtgtac gagtacatgg agcacggtag cctcgaggac cggctgttcc gtcggggcgg  180
gacgccgccg atcccgtggg cgcaacggtt cccgatcgcg gcggatatcg cgacggcgct  240
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 <211> 267
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-H11

 <400> 23346

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tctcccgtgc tcttgctaat ttactttttt gcgatgcttg cctgatttcc tgtgcaaact  180
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caagcgctgt ctgacatgaa gttcacc                    267
  
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 <211> 312
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H2

 <400> 23347

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 atagtatact attccacatt ccacgggtatc ctagaggacc atctgatgct tatgctactg 180
 acacctccga tctcataagc acttcgaatg cctatcacag cggatatcgc cacatctcta 240
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 attctgctgg ac 312

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 <211> 365
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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 tgcctatggt gaaaaaaatg tanaggatgat gataaggcat aggtgtttga cttagcctgc 300
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 gggttg 365

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 <211> 165
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H5

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<210> 23350
 <211> 298
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H7

 <400> 23350

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 actctaggac cggctgctac gtctgggcgg caccgagacg ctgcggtggg cccagcgggt 180
 ccggatcgcg gccgagatcg cgacggcgct gctgatactg caccaaacta agcctgagcc 240
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<210> 23351
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H8

 <400> 23351

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 ccgcacgacg cgtgcgcggg cccggatcga cgatggccaa tgcacgcagg ccgcccgtgg 180
 cctgcgtcga gcg 193

<210> 23352
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H9

 <400> 23352

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 gacgttctag atagacttaa cgatatggga gtgtaccctg ttgctatttt agcatccata 180
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atgcgttggt gctgctgatg agagctgtca taatatggtc gatgctcatg acataataca 300
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<210> 23353
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A10

<400> 23353

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<210> 23354
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A11

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421

<210> 23355
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 <212> DNA
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<223> Clone ID: LIB3066-021-Q1-K1-G11

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<210> 23356
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A12

<400> 23356

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 atgctgcagt tgcaaagtct gttcagcaat ctgctcgatt gagataaacg ctgtatcatc 360
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 aca 423

<210> 23357
 <211> 420
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-022-Q1-K1-A9

 <400> 23357

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 ctcgctcagt tttaccccaa gaagttcccg cagaaccgcg atttcctcct tggctgcac 360
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<210> 23358
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E1

 <400> 23358

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 tcggcggacc gaaccagggc tacggcgact tcaccgacag cctccccgcc aacgagtgcc 240
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<210> 23359

<211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E10

 <400> 23359

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 agcgatcacc atggccgccc tgccgcactc cgtcatggcc agtaatatcc gtactgcaat 240
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<210> 23360
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E11

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 taaagaactt ataggaaccc ttgaatgcgg tcacaagtac catgtgaact gcataaagca 240
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 aaggaacgga tgaccgtcgc caataatgtt gttggttggt taccgcgtgg caaattagcg 360
 tggattttgt atatagacat ggttgccctt atttgcccggt cccctttgct gtggacataa 420
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<210> 23361
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E2

<400> 23361

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ctccacaccc aaggttgccg ccgaggccac tccaatctcc gttgaggttg cggctgatga 180

acaggtagct gagaaggtgg tggaggagga gccggctgcg gctgccgacg ttgagcatca 240

gaaggctaata gaggtgctcg ctccagaggc ggccgtcgcc gagcccgacc acaaggagga 300

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ggaaa 365

<210> 23362

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E3

<400> 23362

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atatgcagat actagtgtc gagacacttg atacttcaca agaccgtaaa gacctcactg 180

actctattaa aggtctgcaa tggcaaattg atatgatata tcaacgtacg gagttataag 240

actacacgtg gtcagac 257

<210> 23363

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E4

<400> 23363

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gatacctaac acattgcact cagactacat atactgtgtt tgctgtggagc atgccgtatg 120

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cgtcacgggc gcatcgaccg tgctgggtcg 209

<210> 23364
 <211> 243
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E5

 <400> 23364

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 gtcagttata aaaatagcca aggtgactgc tgtgcacact taaatcgtgg cgcattcttc 120
 gagtcatggc gttcacgcat ctacaaccgc gacacttcag actaacgtgg acagccttgg 180
 ccgaactaac catcgatacc gcaattttac cgacagtcta atcctaaacg agtgccgtta 240
 ccc 243

<210> 23365
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E6

 <400> 23365

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 ggcagatcac gctgaacaac gtgctgaaca tgatgctcat caacctgtac atggaccact 120
 ccaacgcgct gatccgcgac ttgaaccggg actacaagct gcactagcgg atcgacacgc 180
 acagcgactg cgacctggcg tccatcctcg cgtgcatcaa ccaactggatc atccacatgt 240
 gcatgtacag cttgatcgac gggctgatcg actcgacgaa cattaccacg tccaacaccg 300
 agttcaacag ccaactacaac gacgat 326

<210> 23366
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E7

 <400> 23366

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 tgggtgctggc gtgcgcgctg ctccagccgc ggccgtccga cgccgcggcg cagcccggcc 180
 cgcagtcgcc ggcgacggcg gtgtcgtcgg gcgccgcaa gcccaagtgc gtggccggcg 240
 ccaggaacga ccacgcgtgc cgcgtcggcg ccgtgcacga cccggacagc caggaggagg 300
 agggctccag cgtcaccatc gacgcgcccg tcgccgcgcc cgacgacgtc ggccacgacg 360
 acggcagcga ctacaacgac cccgacgtgc ccaacaacga ccagctcgtc gtcgtcggcc 420
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<210> 23367
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-E8
 <400> 23367

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 tattaggaag tggatgaata tgcattgcagt tttgttgttt ggaactagat gtgtatggaa 180
 gaaatatgat cttttttccc ggaggttttag aattatatat ttagggctag tttggaaact 240
 tcattttcca agggatttct attttgcta ggaaaaatga actgggcttc ccaaactagc 300
 ccatgatgca tttcccatcc tgtgtatcgg gcctttttct ctgtccaaga cgctctntct 360
 gaagtacgat cttgatttaa atccatgatg gat 393

<210> 23368
 <211> 157
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-021-Q1-K1-E9
 <400> 23368

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 tgggagattg gcctgactac agcaatgacg gtgcagtctc atgatcacca ccaccaccac 120
 cacctcgagt tccctttcct cgtcagcttc tgctctc 157

<210> 23369
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F11

<400> 23369

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caaggccgcc gacgccaccg gcaacatctg gcaccacctc cggacggcgc cgaacatggc 180
ggacgcggcg gtggcgcggc tgacgcaggg gaccaaggtg tacgcggagg gcggccacga 240
caggggtgttc taccagacgt tcggcgccat gcccggggag cagctccgca aggcctacgc 300
ctgctacctc tccacctcct cgggccccgt catcggcacg ctctacctct ccacggcgcg 360
cctcgcttc tgcagcgaca gcccgctctg ctaccagggc cctgcgggcc agccgcatga 420
gtgcatgtac tac 433

<210> 23370
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F2

<400> 23370

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gatttcgttt ggttctactt tccgtcttgt ccgtcgccga ggccttcttc ccctcgcttg 120
ccaactgcag caagcagatc agatccatcc aaccactaac aggaaggcag gaagcctgat 180
gggctgggct gaagttgaac catgagtgcc gtcacggttt cgtcgtcgct gaaccggaac 240
gcgccgatct tcatcccggc ggcgctgctg cacgtggagg acttctcgcc gtagtggtga 300
gacctcatca gcaccacctg ctgttccgcy accactgata ccgcgagca 349

<210> 23371
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F3

<400> 23371

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cgcgggcgat gcagcgggc gccgagcgca tgtgcatgcc ggcgcgctcg gtggagcagt 120
tcgtccacgc cgtcaggcag acagtcctcg ccaacaggcg ctgggtgccg ccgcagggga 180
agggagccct gtaccttcgg cctctgctcg tggggagcgg cccgatcctt gggctggctc 240
cggccccga gtacaccttc ctcatctacg ccgcaccgct tgggaactac ttcaaggagg 300
gcctggcgcc catcaacctg gtgggtgatg acgagttcca ccgcgcgatg 350

<210> 23372

<211> 252

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-F5

<400> 23372

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ttggcatgag gggaggagga gccggagaga agctccacca caaggaggcc aatgccgcgc 120
acggcgccgg cgccggcgcc gcggggaagg gggccaaggc ttgtttcgtc aacggcctcc 180
tcctctacgt cgtcctgccg gtgctgggtc tgtacttcgt catcatcgcc gntcgcagt 240
tctacaaccc tc 252

<210> 23373

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F6

<400> 23373

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ggtctggtct ggtctgcctg cctgccaggc cacgcagcct ggtccaccg atcgcacacc 120
atacattgac gtcgtcgtcg cgcccgtagc tgccgttga cgggtggagga ggcggtggcg 180

ctacgacagt atatatatac acaattacac atacacaccc caaaaagaaa agaaaaaaac 240
 tactgccatt gctgtcggtg tgcgtagctt ctctctatat atatacccggt atttaaattc 300
 tcgacaaaat ttgtttgacc acggtgatct gtcatatatg tgcgtccattg atttgtgtta 360
 atttgacata agacgttgaa aagaagcttg actactctac tgtgc 405

<210> 23374
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D9

<400> 23374
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 ctggtcgccc tgctagcggg ggccgccgat gtcgccaacg ccggccacgc caagccccta 120
 acgcctggcg ggcgcgtggg acacgacaac cacggcaagt tcacggccgg gccgtggaaa 180
 cccgcccacg caaccttcta cggcggggcgt gacgggtccg gcaccacggc gggcgcgctgc 240
 ggggtacaagg acacgcgcac gcaggggtac ggcgtgcaga cgggtggccgt gagcactgtg 300
 ctgttcgggtg actgcgcggc ctgcggaggg tgctacgagg tgcgggtgctg ggacagccct 360
 agcgggtgca agcccgcgc ggcagcgcgtg gtggtg 396

<210> 23375
 <211> 267
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F7

<400> 23375
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 ggcattgatc cgacctcccc taagccatcg atgagtagag aaaaacagtg aacgccacct 120
 ctgtactcgc cccaccttat ggcgcgtcgc tcctgcagta ccggcccacg ctctgcgcgg 180
 cgctcaagtg ttacgggtgc cctcaaatec gtcgtcggac cattggcact ggggcaagcc 240
 aaagcacgga caggtgctcg gcgtgct 267

<210> 23376

<211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-F8

 <400> 23376

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 ggcgggcgaca tcttcgccgg cgtgcgcgcg cgggggggag agacgacgac ggaggagctg 120
 gacgtgcggt acgagctggt gagcgacggc ttcccgctgg gcttcgaccg gtcgctgaac 180
 cagcaccagt tcatggaggg cgtcctgcac gtgctcccgg cccacg 226

<210> 23377
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-F9

 <400> 23377

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 tggaacaggt cctgtaacta ctacgtacca tctgcattgc atgtccacga ctatagcttc 120
 tagtttagac tttcaatcat actatcatca aagcaaaggc cttcctgccg gcgtatttgc 180
 tttgactctt gtacttcacg ccattagata tctagcactt ggtcactctt cttaattagt 240
 tcgctttgct tttgaggttg attataccat tttgatgcag cgtgaactgc atgcatggac 300
 atgcaacgct ccaatggcct ttgtaaagt aaatgtttat cccattatc tgcatttttc 360
 ctatcaaaaa tgaactgggt ctcatat 387

<210> 23378
 <211> 254
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C2

 <400> 23378

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 ggctatgttc atcacagtgg tgtcagtgtc cctgggtttc ttctgcaacc tattctctga 120

tgagctggat ggactatgta acatatcgga ttacaaatct atccaatata actatgccgg 180
 tttctgtact aaaacctctg agtgtcctag ctatgtgaac ctgggcgcat tcctcatttg 240
 gcctaattggc gtat 254

<210> 23379
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C3

<400> 23379

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 ggtttcccag cagagaagag cgctgcaac caccacattc atataattaa taagcaagg 120
 ttagagaaga ggcaacatgg gcacaaagat gaagaagggg atcctgaagc cgttccgcta 180
 tatctcaacc atcatggatg gtaaggaggc tgaaatgcaa attgggttcc cgacggatgt 240
 aaaacacgtg gcacacatcg gttgggatgg tcctggctcc accaacaaca ataacaaca 300
 cagcaacaac aatagtggcg gagcacctag ctggatgaag gattaccact cggcaccgct 360
 tgactcgtcc tcttttagga gtgagagntg gggcacggct gctgcaaata cctgggcttc 420
 tcaagagata gtcattgatg ggagcaagcg tcga 454

<210> 23380
 <211> 291
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C4

<400> 23380

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 tgggtccttc gacatcacca agttgggcgc ctccggcaat gtgcatgaca gacagcacgt 180
 atgctgagca cgaagcatgt gcatcggcgt tcggcatgca ctgggaagca gacaatgctg 240
 ataccaaacg gtgacttact tgtctgacat ctcaacttct caagcccttg c 291

<210> 23381
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C5

 <400> 23381

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 accaggcctc atatactcag acattacgaa accgatcctg aaaacacttc gctatatctc 180
 aaccattatg gatagtaaag aggctgaaat gcgaattgcg ttcacgaccg atgtttaaca 240
 cgtggcacac atatcttctg atatcttctg ctctacctac aacactatca ccaacatcga 300
 catcaatatt ggcggagcac c 321

<210> 23382
 <211> 255
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C6

 <400> 23382

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 gggattactt catatacatg ccaaaaattc aaccattcaa aatcatactt caatcatatg 120
 catattcaat caactaatta acccatgaca acaatatata agtcttataa ataataatgc 180
 caacattaat cgatagatta ctgatcatat catttctact ttgcttacat ttttatctct 240
 aatcttctct aattt 255

<210> 23383
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C7

 <400> 23383

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 gtccgcccag atccgcccgc gctgcgctcc agttccctgt cgcgataccc tggatttcgt 120

ccgtggcgag tggctaccgc ttgtgctcct tttgtgacag ctgaatcttt gtggttcgaa 180
 ggcgattgac ttgggttcac tgacgcggtg acgccaatg agtcccacg tctccacatc 240
 gcgggggtctt catcccccaa gcaagcttgg gacgttggac tcacccggtg cgtggcagcc 300
 gccagcacct atggctcagc ccgaagcatg ccgcggtgat gacca 345

<210> 23384
 <211> 365
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C8

<400> 23384

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 tcgatggaga tgaaggttgc tgcctcacgg ccaggatgca agaaacgccc cccgagccgt 180
 ctccagaagc atgcgccagc gtcgctgcaa ctggagcagg ctgtcgccag tgcggggacg 240
 ggagcaccgt ccgcggtgtg gggtgacggg agggcgccga tcccgctcct gtcgccgctc 300
 gtcgtgtcgc ccatggtgcc ggtctgggag gcggaccaga cggggggcgc caggaaggan 360
 ggagg 365

<210> 23385
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C9

<400> 23385

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 tggttaaggag gctgaaatgc aaattgggtt cccgacggat gtaaaacacg tggcacacat 180
 cggttgggat ggtcctggct ccaccaacaa caataacaac aacagcaaca acaatagtgg 240
 cggagcacct agctggatga aggattacca ctgggcaccg cttgactcgt cctcttttag 300

gagtgagagt gggggcacgg ctgctgcaaa tccctgggct tctcaagaga tagtcatgga 360
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<210> 23386
 <211> 453
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D1

<400> 23386

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 cgtgtcataa aattggtaga acatctggag aaggggcaag ccatcaagga aatgtttggg 120
 ttaagcttca cattgaacca acgagctatc cgaagacctt tcagctgggt tagtgctaac 180
 tcctaaagca agcatcgaga caaattatga ttatgatggg tgatagttgc atgggacaac 240
 aaacaatgcc atgatgaaat acatagtaga ggagacctct tgtcagtcac ccatacgagc 300
 attgattttc actgatgccc ctgtatatnt cgtatcactt attatgtaga tgtacatgtg 360
 atggattttg cattgtggaa ctgttaaaat gaaccgacat gagatgcaa atctttgcac 420
 canacagtat gatgtattgg tgatctgatt ttt 453

<210> 23387
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D10

<400> 23387

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 cgggtcaacc tgcactcct ggcgctcttc accgtctgca tcagcttcgc cgaggggcta 120
 acctgtgtca ctgcgaacgt acaagacatc ctggacggcg tcacggtcgg gccgtgtaaa 180
 cccgtccacg caaccttcta cggcggtcgt gacggatcct acaccaccgc ggtcgcgtgc 240
 ggctacaagg aactcgcac gcacgggtac tgtctgcata ctgtggccgt gagcactgtg 300
 cttgtcggcg actgctcggc ctgcgtaggg tgc 333

<210> 23388
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D11

 <400> 23388

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 tattttctaaa ggaggacaag cgattgcggt ttcaagggat cacaaacctg atcagacaga 120
 tgagagacaa agaattgagg acgcaggggg ctttgttatg tgggctggga catggcgagt 180
 ggggtggtgtt cttgctgtct ctcgcgcatt tggtgataaa ctcttgaagc agtatgttgt 240
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 tagtgatgga ctctgggatg ttgtcactaa tgaggaagct gttgccatgg tcaagcctat 360
 tcaggacccc caggaagcag caaacaagct tctcgaagaa gcgtcccgaa ggggaagctc 420
 tgataacatc accgttgtca tcgt 444

<210> 23389
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D12

 <400> 23389

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 ccggcgacca tcagcgcgct ggaggaggtc gtgaaggccg cccggggcca gctccccgtg 180
 ttcgtcgacg gtggcgctcg ccgcggcacc gacgtcttca aggcgctcgc gctcggcgcc 240
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 gtgtccaacg tctgcgcat gctgcgggac gagttcgagc tcaccatggc gctcagcggc 360
 tgcacctncc tcgccgaaat caccgcgaag cacatcatca ccgagtcga caagctcagc 420
 gccatcccg cgcgcttgta gatgaggcaa aatc 454

<210> 23390
 <211> 357
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D2

 <400> 23390

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 atatgtatctt gcattattcc tgatagcatc tattcgctgg ccagatgatt agagagctga 180
 aaatatatta agaacaatac catagagaga agttcctcag tgctctcgca gcttaaggag 240
 caaacagcga cactttactt cgttttttat actttattat agccgcacta gttattactc 300
 gggctacatt tgtgaacagc gactgtaata tttntctact ctatatcgt agtgcca 357

<210> 23391
 <211> 315
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D3

 <400> 23391

 caaatacatc caccatcct tacacagact ttcatttaac acatgaggca aagctcctag 60
 cggcacgtac aatttgacta acatcctgat aactatcaag acattacgta cacgcacgca 120
 ttaaccttca cattaaccca actagctatc ataagaccat ataactatca tacgagctaa 180
 ctactaatgc aagcctttac acaaactatt aatatgatca ctacattctt acatcataca 240
 acaaacattc ccatgataaa atacatagca tactagacta cactacaacc actgatacaa 300
 tcactctactt tcact 315

<210> 23392
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D4

 <400> 23392

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 gggcctgtgc ccagcccggg ctgcctgcga gggcttctga tggccctcga cgccgtcctt 120
 tcttcctagt gcccagcttt attgcagatc cagccctctg atcctcgtct tctttcacct 180
 ctccaacatg aagggtcaaca ccaagatcaa gctggagccg gtcattggcg cgctcgtcgc 240
 cctgccgcgg agcgccagcg agctaccga cccgacgtca ccgttcagct ccaacacggc 300
 gcaccaccca gtctacgtgc ccaccacacc taggttggtc ttatcgggct cgctcgttc 358

<210> 23393

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C12

<400> 23393

accatcttca ctgcacattt caagacggtg cgttaaagca cgctccacta cagacttatt 60
 cggcgctcga ctcggttccta agagcttggg ttccacatcc gggaacatcc tcctcgttat 120
 aactctcata cgggtacgct cgcttacgat catgcgagct accacggtca cacttgcgta 180
 ctcggatgta aagctcgatc aacttgaacg ggtattcgca tctgccaaacc ttgtgggttca 240
 acctaggcac tctgtgatgt atg 263

<210> 23394

<211> 296

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D6

<400> 23394

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 ggcgacagct ccgacctgac gacgaccaag ctgcagcagc tccgagccta tctgcagcac 120
 ctgcagctgg aaaaggaaag tcgcaccaag aagggtggcg aactcgtggc tcagctgcac 180
 tcgtcatcct tggctctcgg catggatccc acagaggcga acagtgtcat ccatgttagc 240
 gccgaacgct cgcattgtgca gccggcgac atataccacc gctccatata agtgct 296

<210> 23395

<211> 224
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D7

 <400> 23395

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 cggacacttc tcccaccgga ccactacata cctcaacgac ctactaacct atctgcaaca 120
 catgcagatg aaaaaggtag gttgcaccaa catggtcgcc gatctctcgg ctaatctgca 180
 cttgtcatcc ttggttttcg acatgcatcc cacagaggct aaca 224

<210> 23396
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A4

 <400> 23396

 cccacgcgtc cgcccacgag tccgggagga gctgaaagct actgtacaag gtgtcctcaa 60
 gtgttgctca cactatTTTT gcttcgcatg catcatggaa tggcttaggg ttgagtcgag 120
 atgcccattg tgcaagcagc gggtcactac aatcaccaag tcatcgaagg tagatcttgg 180
 tcttgattg agaagagctg taatcaaggc cgaagagcgt gatcagggtt atcagccac 240
 tgaagaagaa ataaggcgta ggctagacc atatgaaaat gttgcttgta tagagtgcag 300
 tcaaagtggc gacgatacta tcatgctact atgtgacatt agtgattcct ca 352

<210> 23397
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A5

 <400> 23397

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 acgtggctga gctaactctc caaactgacc aagcttcacc acgagaacat cgctacatca 120
 ttatctacta cgccgacgga aaccatcgga ctcttgctta cgattccgtg ccttgccgca 180

ccttagaaca tcacctgctc gatctaccgg cagacaagaa accaatagac tcgtgcacta 240
 tgatcaaagt ggctcacggc gcaacacatg agctacagta cctgcacgag ac 292

<210> 23398
 <211> 432
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-A6

<400> 23398

ataaagcatc gatcacgaca agatggcatg cacaacaat gcgatgagag ccttgttcct 60
 gctggtcctc ttctgcatcg tgcattggtga gaaggaagag tcaaagggca tcgatgcgaa 120
 agcgtccggg cctggtgggt ccttcgacat caccaagttg ggcgcctccg gcaatggcaa 180
 gacagacagc acgaaggctg tgcaggaggc atgggcatcg gcgtgcggcg gcactgggaa 240
 gcagacaatc ctcatacca agggcgactt ccttgctcga caactcaact tcacaggccc 300
 ttgcaagggc gacgtgacca tccagggtga tggcaatctg ctggcgacca cggacctaa 360
 ccagtacaag gaccatggnt aatggatcga gattctacgc gtggataacc tggatcatc 420
 cggcaaggga aa 432

<210> 23399
 <211> 426
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-A7

<400> 23399

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 gcggggtcgc caagctgagc aagctccacc acgagaacct cgtcgacatc attggctact 120
 gcgccgacgg agaccagcgg ctgctggtgt acgagtcctg gcccgccggc accttagaag 180
 accacctgtt cgatctgccg gcggacaaga aaccgatgga ctggtgcacg aggatgaaag 240
 tggcgcacgg cgcggcacaa gggctggagt acctgcacga gacagcgaac ccgccggtgg 300
 tgtacgggga gttcaagggc ctccacatac ttctcgacga gaggtccacg cncaagctct 360

ccgacttcgg gctcgcgcag ctcgccagg cggggggcag catgccagtg gcgtcgccca 420
tgatgg 426

<210> 23400
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-A8

<400> 23400

ataccgcgtc catcaagcag ctgttcaagc ttcgattcca ggacaacatg gcgttggtga 60
gggggggtctc caatctgagc aagctccacc acaagaacct tgtccacatc attggctact 120
gcgccgacgg agaccaacgg cttctggcat accaatcctt gcccgccagc accttagaag 180
aacacct 187

<210> 23401
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-B1

<400> 23401

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ggctccgtct ccgtcctcta gcgaccgacc aacgcgccga gcgaagatgt cgcggcagac 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcacgt cggcggccat 180
cgtcggccac gacggcgcca cctggggtca gagcaccgag tcccccgagt tcaagcccga 240
ggagatggct gccatcatga aagatttcga cgagccgggg cacctcgccc cgaccggcct 300
gatcctggga ggcaccaagt acatggtcat ccaaggcgaa cctggagctg tcatccgtgg 360
caagaaagga tccgggggca tcaactgtgaa gaaaacaggg cagtcactca tcattggcat 420
ctacgacgag cccatgactn ccgggcagt 449

<210> 23402
<211> 199
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B10

<400> 23402

ggaagacttt gacgaggagc ctgatgaata gtctatacat aaaagcacct acgatctcac 60
cgagatcgag gatcaagact tgggtgaaagc ccagaatata aacgacaacg tagtcgatta 120
tagctagact cgctacatct catggcgcgga aatgacacga cattgttaaa cacatagctc 180
accaacgtta tatgaagct 199

<210> 23403

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-B11

<400> 23403

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cgagtcatcc ttgtgttctt cgccgtggcc tcaccggctg ctctggccgc cttcgatgtg 120
atagagatgc tggccgacaa gccacgtac tccacgttcc tgaagctcct gcaggacacc 180
aaggtcgcgg gcgaggcgaa tcagctccgg tcggcgacgc tactggctgt ccccgacaaa 240
cttgccaagc ctctggcgtc gctgcccgcc gataaggtgc ggccggcggt ggagaaccac 300
gtccttctca gttacttcga ccccatcaag ctggacgaga tgaagacacg caccgtcatc 360
ctnccccacgc tgctctccgt caccgacaag aaactcggcg tcctcaacta caccagggcc 420
gacgacgggc agatgtactt cggcgcttcc g 451

<210> 23404

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B12

<400> 23404

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ctgaacactc cgcagcgtat ccgctccccg ccgcggcttc gtctcttctg ttccctcgct 120

cgccgcccga tccgcgcgtcc tccgcccgcct cccgtccgcc gccaccgagg ccgatgacac 180
 cgaaagcccg gctccacatc caccgcccac cgaagaatcc ctctccccgc agcccgccgc 240
 ggatgcggcg gagacgaagc ctgaggccag cgagtcggcc atgtcgaggg tgtacgacgc 300
 gacggtcctc ggggagccag aggcgttggc aggggacgcg cgggggccccg tgtgggagaa 360
 gctggcggtc gcgaggggtgg tgtacctcgg cgaggccgag ctccaacccg accccgacga 420
 ccgtgtggtc gagctcgaga tcgtcagggg cctcgcgg 458

<210> 23405
 <211> 317
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B2

<400> 23405

gaggcgcggg ccaggagcca gcgctacgtc ttaccgaaac atgtgcctcc cgaataaggg 60
 cgaacgctgt cacacaatct atagccatgc actggacatc taacgatatc atcgacctct 120
 ccttgctgaa tgtcgacagc aatttcggca tcaggaacgt ctatctctga tacgcatcag 180
 catgtaccct tgcattgtct gacatagcac acaatgtcgt cgagaccaac gggatatcac 240
 tagtcgagat tgacaaggat ctaattcgaa cagattgatg actatgccta gtcatactga 300
 ctcgccaagg acactat 317

<210> 23406
 <211> 336
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B4

<400> 23406

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 ggtctgcacg gtgcatgggt agaaggaaga gtcaaagggc atcgatgcga aagcgtccgg 120
 gcctgggtggg ttcttcgaca tcaccaagtt gggcgccctcc ggcaatggca agacagacag 180
 cacgaaggct gtgcaggagg catgggcacg ggcgtgcggc ggcactggga agcagacaat 240
 cctcataccc aagggcgact tccttgctcg acaactcaac ttcacaggcc cttgcaaggg 300

cgacgtgacc atccaggtgg atggcaatct gctggc 336

<210> 23407
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B6

<400> 23407

ggaagaagga atggatatgg atggatggat aggaagtggc cgccatatgg gcatgggcca 60
aaccaaacca aatcaattgg tgggtttgta tctgtccagc ggcccatatg tagacttcca 120
ccagaccaag tccgtctgat tccgcggatc atgcttaca ttaattaatt ggtcttgggg 180
ccaagaagaa taagaagaag attaatgggc cttcttgaag ctttgggcca actagcccaa 240
cgtacataaa agatgaagaa gatgaacatg catgctcagc aaggctttct tctgtgggtg 300
gtagctgtcg aagaacacgt gctgcgagac gttgtcgc 338

<210> 23408
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B7

<400> 23408

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cggacgcgtc ccgatgcgcc tgcgccggcc ggaaaacccc tactagtcct agggctcgcc 120
tcgccgccct gatggggggc eggcgggggt atctcaccct gccgatcttt tccgtggtcg 180
cggcgatcgg gtacgtctac tacaccacgg tgttcgtggc cgtgccgcgg tggctggacc 240
tgtccacggc tgcgggggta gccaacgccg acgcgttcac agcgctagca gctgcctgcc 300
tcgccaccta cgccgtcgcc gttcgcaggg accccgggcg ggtgcccccg ggttttgtgc 360
ccgacgtcga ggacgccgag agcactgtcc acgagatcaa gcgcaagggt ggtgacttga 420
gatattgcca gaaatgttgc cactata 447

<210> 23409
<211> 384
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-B8

<400> 23409

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tgcagataat cttgctgctt gttttgagaa gcatgtacag acatacaatg gactagatat 120

ctgcatcaac tgtgctggaa ttgctaataa aacactagtt tatgatgata catctgatgg 180

aactagaaca tggaggcatg ctgttaatgt gaaccttggt gctgtcattg atgggtactcg 240

cattgcaagt caaataatgc gaaaccaaaa gaagcccggt gtcataataa acattgggttc 300

agcggcaggt ctttattccta tgttcctcga tcccgtatat agtgccggcaa aaggggggtgt 360

ggntatgttt acaagatcac tttc 384

<210> 23410

<211> 177

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B9

<400> 23410

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gaatacatgg aacattgtta gaaggaatag tcaaaagcca tagatacgaa agcgtcctca 120

cctggttgat ctatccacat cactaagtgc agcacctgcg acaatggcaa cacagac 177

<210> 23411

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-A3

<400> 23411

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ggctctacct agctagctag ccagccttcc tgtagcgcgg cagagatggc tgcccttgca 120

tccaccacgg cggcgggcggc ggcggcgctg ctgcttctgc tcgtgtcgct cgccgcggcg 180

gcggacatgt cgatcgtgtc ctacggggag cgcagcgacg aggaggcgcg gcggatgtac 240
 gcggagtgga tggcggcgca cggncggacc tacaacgccg tcggcgagga ggagcggcgg 300
 taccaggtgt tccgggacaa cctccgtac atcgacgcgc acaacgccgn cgnccagcgcg 360
 ggcgtccact ccttccgcct cggcctcaac cgcttcgcgc acctcaccaa cgacgagtac 420
 c 421

<210> 23412
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C10

<400> 23412

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 cgggtggcgc gctgctgctg gtcgcagcgg tgtcgccctgc cgcgcgcgct gcggcgggtg 120
 cgggtggcggg aggggcgcgc tcggtgccgg cgggtccgct ggacatcgcg cagctgggcg 180
 ccaagggcga cggcaagtcg gacagcacc ccatgatcct caaggcgtgg aagaacgcgt 240
 gcgaggcgac ggggggtacag aagatcgtca tcccgcggg caactacctg acgggcgggc 300
 tggagctgaa gggcccctgc aagtcctaca tcatcatccg tctcgacggc aacctgctcg 360
 gcaccggcga cctcagcgcg taccaaagga actggatcga gatcgagaac gtcgagaacc 420
 tgtccatcaa cggtcacggc accatcgacg ggc 453

<210> 23413
 <211> 431
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-C11

<400> 23413

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 cggcggcgaa ggcggagctc gttacgggga ttccacatcc gttaatcggc cccaccggat 120
 ccctcgccgc ctcccacggg ccgggcccgc ccgtggcgcg cgcgcaggcc gagatgcgga 180
 agaggatgga gagcgtcgac gatctgatcg aggaggcaaa actgctgacc gtctggtggg 240

cgctctgcat cttegcgcgtc tectacttcc tcacgcgtga gcacgtcccc ttctgtccct 300
ctctgcttcc gtgcctcatt tgcgaccgaa ttggttttgc ggctcgtgtg ggccgcgaga 360
aggacgggcc ggggcataaa tctgggtcga ggagacctgg ttacgcgtgg gctgcctang 420
ggatgtggcg t 431

<210> 23414
<211> 298
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-G4
<400> 23414

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gagactgagc cttcctttga tggttaccac atatgaatat gaggagaagc tatgcactgc 120
tttaactggt acagtggatg caaaagatgg cacaactact gtagtatctg ccaaggacag 180
ggcataaaca gtcatgactc tagcattttc ggactctaata cctgaggatc tcaaccggcc 240
tgggtcatatt ttatctttga aatacacata tagtggtgat atgaaacagt ctggacac 298

<210> 23415
<211> 182
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-G5
<400> 23415

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gtgacatacc acgctggagt tgcaactgat gatgccgctc gatgacttga cctcaaattcc 120
attaaaacag gttgcaactc tgaattctca cattaaatcg atatgcatat tcacccaaat 180
tg 182

<210> 23416
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-G6

<400> 23416

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gccggttccg cgtgtgcaac gtgggcatca aggcgtcctt caacatccgc atccaggacc 120

acatcatgaa gctggtggag atggaggggt cccacaccat gcagaacgac tacgactcgc 180

tggacctcca catcgggcag tgccctgtcgt tcttgggtgac cgcggaccag aagcccggcg 240

actacctgct ggtggcgtcc acccggttca tcaaggagaa gagcagcacc acggccgtga 300

tccgctacaa gggctccagc gccccgccgc cggccaagct gccggagggc cccagcgggt 360

gggcgtggtc catcaaccag tgcaagtect tccgctggaa cctgacggcc agcgcggcgc 420

gggccaacc 429

<210> 23417

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G8

<400> 23417

aaaagacata cataaacaaa aaaaaataaa atcaaaaaaa aaataaaaaa aaaaaaacat 60

ggggcgtcgt 70

<210> 23418

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G9

<400> 23418

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tgcatggtga gaaggaagag tcaaagggca tcgatgcgaa agcgtccgga cctggtgggt 120

gcttctacat caccaagttg ggcgcctgcg gcaatggcaa gacagacagc acgaaggctg 180

tgcatgaggc atgggcatcg gcgtgcggcg gcaactggaa gcagacaatc ctcatacca 240

agggtgactt ccttgtcaga caactcaact tcacaggcca tagcatgggc gacgtgacca 300

tacatgtgga tggcaatctg ctggcgacca cggacctaaa ctagtacaag gaccatggtc 360

attggatcga gattctacgt gtggat

386

<210> 23419

<211> 278

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H1

<400> 23419

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ggaggggtgcc agccacatgc tcctggagga gccctttccg ctgcctccg tcctctcccc 120

cgccaagcct aaagtattcc catcactcac caagatagtt gggacgctcg ggcccaattc 180

acactcgggt gagattattc aggaatgcct cactgctgga atgtcagttg cacggtttga 240

tttctcatgg atggatgctg cgtatcacca ggagaccc 278

<210> 23420

<211> 212

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H10

<400> 23420

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gtatagggtc ctccgggaga tgggcactac acggcaagac agccctcgtc accggcggca 120

cccgcggcat cgggcgtgcg gtagtggagg agctggcggc tctgggggct tgccgtgcac 180

acatgctccc agatggcggg ctagctcgaa tg 212

<210> 23421

<211> 367

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-H11

<400> 23421

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gatcaaggag aatctcatgg ctgctgcagc aaacggaaaa gatttagaag agacagcaag 120
 cgatgacgat accttggatg tgagtgatga tgacttcttt atgtctggaa gttcaagtga 180
 tgaagaggct gatgatgagt ggactgacaa gagtgctaag gaaccagcat ccagtgcctc 240
 aggtagggca gcatctggca tgtcaagtga tgaaaagaac cagcgtcaga gagatgctcg 300
 agttcttatg ccgncaccac gctcattagc cccanatagg agcagacatg cagataaccg 360
 tgcgata 367

<210> 23422
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-H12

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 gtcatacta ctttgcacgg agttgatgac aacattggca agagcaagaa gatcctggct 180
 gcaatgtcaa agaggatgga taggaacaag tggatcattg ggggaattat cacggctctc 240
 gttctggcca tccttctcat actctacttc aagctcgcta attaagcctc tgctgcagg 300
 taggttcccc ctacatatct gtgttcagta attgtgtgat atgagttgtc tgaatgccgt 360
 gtattgagca acacgcagct ctccgagcgt catttggtcc ccctcaaacc tgtaaaactca 420
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<210> 23423
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 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-H3

<400> 23423
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 gcggtactac ctcggggagc agttctacat cagcgtcgtc tcgcccgcgc gatcactgcg 180

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gccgccgtcc tacgccnccg cgcgctaaga cgacgaaggc ctcgatttct cctcgtggtc 300
tgaccatgca atccaaactc aaaagaacaa atacgaaaga agcgtagtga aggggaacaa 360
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<210> 23424
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H4

<400> 23424

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gttcctctgg cagccccg cgacattgg cggcgcggag gacatgttta ccggcgccat 180
tgacgaggag cccgagagca gccaccaccg gagcagctac acgtgggttc tatggatgac 240
cggcggcgtc tagacctgcc tgatcgacac caccggaaag cagaacaatg gcaacgacgt 300
tgaatgaacc gtagcccttc gatcggaatt cgg 333

<210> 23425
<211> 288
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H5

<400> 23425

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ccccgccaag cctaaaagat tccgcatcac ttaccaagat agttggtacg ctcgggccca 180
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ttgatttctc atggatagat gctgcgtatc accagaagac ccttgata 288

<210> 23426
 <211> 195
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H7

 <400> 23426

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 aaaactaact aaaaaaacia ttaataataa aaaataaaat aaacaaaatc aaataatata 180
 taataaaattt taataa 195

<210> 23427
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H8

 <400> 23427

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 tgatccggat tacagatgca gtcgaaatag atattttattc ttttgggtca acttttatagg 180
 attgttattg tacaaaatgc atttttcata gtacatcgga atacttcgtc caaaaaaaaaa 240
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 caacgtgcat gcaa 314

<210> 23428
 <211> 217
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H9

 <400> 23428

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 gacgcggggc atatcgactg cggctatggc agatctatgc gcgtctgcgg acgcaccgtg 180

aagacatgct cgacgatggc ggtcgagctc ctggagc

217

<210> 23429

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-A1

<400> 23429

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atcaccggca agggaaacct tgacgggcag ggcccagccg tgtggagcaa gaactcctgc 180

accaagaagt acgactgcaa gatccttccc aactcgctgg tgatggactt cgtgaacaac 240

ggggaggtgt cgggggtcac gctgctcaac tccaagttct tccacatgaa catgtaccgg 300

tgcaaggaca tgctgatcaa ggacgtgacc gtgacggcgc ccgngacag ccncaacacg 360

gatggcatcc acatgggcga ctcatccggg atcacgatca ccaacaccgt cattggcgctc 420

ngtga 425

<210> 23430

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G3

<400> 23430

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ggtaatatcg atctggccag ggacgagaat gaacacatgg ccaagctcga tgaacaggcc 120

taaaggtatt aagaactggt tgaaactatg gtgaaggtgg ctaaaactgt atacgttggt 180

agacctatct gatgaacagc gcaagctggt gacagacgta taccagaatg cgatcggagc 240

tctcacaact tgatacgcca ttgctcttta cattgtacaa aatgaagagc tgcttgccaa 300

cgaatagcct gtgaacctta tgaacgagtt ctgaacgatg atcgatgctg aact 354

<210> 23431

<211> 129
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A10

 <400> 23431

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 atggggatat gttgctcgat taggatgcct gcactactac catacatgct tctaaccttt 120
 caaacacca 129

<210> 23432
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A11

 <400> 23432

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 tgcgaaagcg tccggctcctg gtgggtcctt cgacatcacc aagttgggag cctccggcaa 180
 tggcaagaca gacagcacga aggctgtgca ggagggcatgg tcatcggcgt gcggcggcac 240
 tgggaagcag acaatcctca taccgaaggg tgacttcctt gtcggacaac tcaacttcac 300
 aggcccttgc aagggcgacg tgaccatcca ggtggatggc aatctgctgg cgaacacgga 360
 cctaattccag tacaaggacc atggttaattg gatcg 395

<210> 23433
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A12

 <400> 23433

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 gggcctatac atgacaattt gcatggagct attggcatca aagcatactc tcctggccaa 120
 gatggcaaga gatcattgaa agtgaaatct ttcggtgctg aacagtattc agatcttggt 180

gctaaatctg caaggtactg aagccaagat tttccaaaga ggatcacgcc ttgtgacctg 240
 ttgctttgtc acctcactat gggatgttga catgtattgg tagaactgca gtactgcaca 300
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<210> 23434
 <211> 269
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-A2

<400> 23434

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 cgacgacggg ggatactact gcggccagta ccccggcggc ggctaccctg ctccaccggg 180
 cggcgggtgcg taccctgacg gctctgggta cccggtagca cctgggtgggt acccgccctc 240
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<210> 23435
 <211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E4

<400> 23435

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 tcgtcttcaa gaacatacac ggcacctcca acacgcggga ggccatcacg ctcaactgcg 180
 ccaacaacct gccatgccag ggcgtgcagc tcgtcaacgt cgacatcaag tacaatggat 240
 ccggcaacaa gaccatggtc gtctgcaaga acgccatcgg caagtcctac tgcttggcaa 300
 aggagctcgc ctgcatctga accaattgac taacatgcat atattatata tataatcact 360
 ctttcgaacc tctgtctttc tcacgtactc taaagtctcc accgaatata taatccgctg 420
 gtatgtataa tctttcttct ttggatcatc aaaaaaccaa 460

<210> 23436

<211> 433
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E6

 <400> 23436

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ttacgccgtg ggcaaggaca cgaggattgg ccccaagttc ctgaacgcc a gtgttgggtt 180
cgggtgggtct tgcttccaga aggacatcct gaacctggtg tacatctgcg agtgcaatgg 240
cctgcccagag gtggccaact actggaagca ggtgatcaag atcaacgact accagaagag 300
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cgtcctcggc ttgccttca agaaggacac cggcgacacc agngagaccc cggccatcga 420
tgtctgcaaa ggc 433
  
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<210> 23437
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E7

 <400> 23437

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tcttattagg cgactggagg ttacacgcct accccctgta cctaagccca aaactagtaa 180
aagcattgga ggaggctgat cggttgaaac aagaaactga taggttggct aaagaggttg 240
aacaacttca gagtggcagg tttgcagatg tcgaagaatt ggtatatctg aaatggataa 300
atgcctgcct acggtatgag ctgagaaaca aggatgcccc atcagggaag actgttgcac 360
gagatcttag caagaccctg agccccaaagt ctgaatngag gccaaacagc tgataatgga 420
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<210> 23438

<211> 281
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-E8

 <400> 23438

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 ttcgaggtta tcacccccct tgccccagaa aagatgagaa gatgtcgatg taacaagccc 180
 tctgcgcttc tgtaagtaga tgagtgttgc tgcattgccc ctgggtacat gtatcggttt 240
 gagcagaaaa aataaaaaaa aaaaaaatat ataaataaaa a 281

<210> 23439
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E9

 <400> 23439

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 tcatgtcata tgcattgcat gcttctcttc cttgtcgcat taattttcat ggtccaatg 240
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 tccctagcag atcgcatagt attagttgca tgcattatat ngatgatgca ggtatttcgt 360
 cgagcaacaa ggcgtactat caatggTTTT tgaaataccc aaaattagtg aataaaggga 420
 aactggttat 430

<210> 23440
 <211> 222
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F10

 <400> 23440

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atggaggcag tcgaaggaga gatggctacg gacttggttat ggtcttacac tgacgagccg 180
tacgcgttgc gccagcggaa gatcatggct atgtacagtt aa 222

<210> 23441
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F11

<400> 23441

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caggtcacaa gtgagggaaa acaggagaag tgtttcactt gtcagcactg ccaaaggaat 180
cagagctttc gttctgagct gaagcatcga ccgaaaattt ctgggcttcc aaaatcttca 240
tttcccgtc agcatgctct cgctcacact gggtaatgcc catgataatg tccagcatgg 300
ttccagtagt gccgaagaag acgagtggg ctaaggattt cttctttatg cccacaggat 360
tagcatcaag agcaccgcga actgagaaga accaagttcc tagagcattg gctactgtgc 420
aatcctccag ttgcttttcg ccgccgccga cccggg 456

<210> 23442
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-F12

<400> 23442

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ccgcgacgcc atggagccgc cgcacgccga gcaggtcgtc gcctctgtag aagcaggagg 180
agaggggtggc actgcaagcc cgggcaccgg cctcgaaggg ccggtgctta gcgcgggggc 240

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cggcctggcg aggcggctgc ggctatcgct ggtggcgctg tggggtagcg tgacagcgag 420
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<210> 23443
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F2

<400> 23443

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tcaagctggg gcaggaggcc gggctgaagc tgcaagccat catgtcgtgc caccagtgcg 180
gcggcaacgt cggcgacgtc ggcaacatcc cgatcccgcg gtgggtgcgg gacgtcggca 240
aaagcaaccc cgacatcttc tacaccaacc ggagtgggct gacgaacatc gagtatctca 300
cgcttggagt g 311

<210> 23444
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F3

<400> 23444

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caatgtgacg gtgtccggct acagcttcaa cacggacggg atacacatgg gcaactcgat 300
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<210> 23445

<211> 403
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F4

 <400> 23445

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<210> 23446
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F6

 <400> 23446

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 tcgtcgccac gctcgccgcc gcggctaacg ccctggcccc cgccccagca cctgctacca 240
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<210> 23447
 <211> 175
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F8

<400> 23447

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<210> 23448

<211> 286

<212> DNA

<213> Zea mays

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<400> 23448

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atataagcaa tcgaatgaga tatgcctacg gacaagttac cgaataaccc tgtccaatcc 180

tacaacatgc aacagaggaa caagacagct atgaccagtt caagaagcga cttatggcga 240

ccatatgcac tcgtccggct cacaatagat gtgtatgcat aaattg 286

<210> 23449

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G1

<400> 23449

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tcaaactcgat taaaacagtt gtcaactttg atatcgcaaa agagatggat atgcatattc 180

accgaattgg aagaactggt cgtgctggtg acaaagatgg cacttgctta cactctgatt 240

actcagaagg aggcacgctt tgccggtgaa ctggttcaaa agttgattgc tgctggccag 300

gatgtaccca atgaactcat ggatctggc 329

<210> 23450

<211> 461

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-G10

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tccagggtgga tggcaatctg ctggcgacca cggacctaa cagtagaag gaccatggta 360
attggatcga gattctacgt gtggataacc tggatcatcac cggcaaggga aaccttgacg 420
ggcagggccc agccgtgtgg agcaagaact nctgcaccaa g 461

<210> 23451

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-G11

<400> 23451

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gaagggcagc ggtggattca aggctactga tccgagccat ggcaggaaag gcggcggcgg 180
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gtttgagt 428

<210> 23452

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G12

<400> 23452

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<210> 23453

<211> 193

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G2

<400> 23453

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ctcctggtgg ctgagacagc tttcgtgttt aatgtcaccg agtacagctg tttccataac 180

tgctacaagc ggt 193

<210> 23454

<211> 106

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C9

<400> 23454

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<210> 23455

<211> 272

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 23455

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ctgccgtagc ggtcgccgtg gtggccgcgg tgctgctgct ggcagcggcg gcgacgacct 120
 cggaggccgg catcacctgc gggcaggtga gctccgncat cgcgccctgc ctctcctacg 180
 cccgcggcac ggggtccggc cctccgcgt cctgctgtag cggcgtcagg aacctcaaga 240
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<210> 23456
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D10

<400> 23456

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 ggtatatatg taaagggctc acacttaca tctattgcat atttgattat tatacataac 120
 ttttatcatt tgatgattcc atcttaatct ctatatacat ctgaaatgta tgcataaacc 180
 aataacgaac gatttgaaag tgtactcgat cattctacca ttagacaata agatcttctt 240
 tctaaaaata ttctattttg aactcttata tgttcaaaat ttatattgaa attcttttat 300
 aaatttttcc ttactttttc 320

<210> 23457
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D11

<400> 23457

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 cggcggtgtg ctgctactac gcgctcctcg gcgtccgcaa gagcgctcc gccaccgaca 180
 tacgcaccgc gtaccggagg ctgcgatga agtggcacc ccgaccggtgg gccagcgacc 240
 ccggcgcggc cggcgaggcc aagcggcgt tccagcggat ccaggaggca tactcagttt 300
 tateggacaa agggaagaag gccatgtacg acgccgggct cttegatccc ctgcagcagc 360
 acgacgacca ggattttctc gacttcatgc aggagatgct ggtgatgatg gataacgtga 420

aaaacgagaa gccggacacg ctagaggacc tgcagaagat gctg

464

<210> 23458

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D12

<400> 23458

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gcttgccaggg ttgtgcagtt gtattggtgc attcaacttg caggagctac aagtcctaac 120

cagaagctga aagaaggggg caggatcagg tccctcacag ccacacagga gaagacgagg 180

atcgcccatg cctcttgctg ctccagggtg gcgatctcga gaagttcaag agcgtgtcac 240

tggctatgga aaagggccac tctgcctcca gagtcctggg gactggggag ggacgccgtc 300

cgtggagaga gttgtgggtg atgagggaaa ccgatggaga atgtgcttgt cttatgtgtg 360

ctggaagttg aaagtgtttt tgaaaaaaaa aaaataaaaa ttaaaaaaaaa aaatatataa 420

<210> 23459

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-D2

<400> 23459

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cgatcatgacc gccgagttcc ggaccttcat cgagatcgtc ttcgagaacc ccgagaagag 120

catagactcc cttcacctcg acggctacgc cttcttcggc gtcgggatgg ggctgggac 180

gtggtcgccg gagatgagga agacgtacaa cctactggac acggtgagcc ggcacacgat 240

ccacgtgtac ccgcggtcat ggacggcgat catgctgaca ttcgacaacg cgggcatgtg 300

gagcgnctcg tccaacgtct gggagcggta ctacctggg gagctagtct acatc 355

<210> 23460

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D3

<400> 23460

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eggccggagc gatcagctcg gtggcctcat tgctactgct tgcaacaacc gcgacaacct 120

cataggctgc catcacctgc acgcatgcga actccgccat ctcgccatgc ctcttctacc 180

cccgtggcac gagatccgga ccctgcacat cctgctgtac ccgcgtcacc aacctaaata 240

gcacctgcag caccgacgac gaca 264

<210> 23461

<211> 220

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D4

<400> 23461

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gtacccttac taccatctca acccgatatca tgcctacgac taacgtaate tatcatggct 180

ggctccaaca tacgccgagc ctgctacaat gtttatcgca 220

<210> 23462

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D5

<400> 23462

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atgtgctcgt tgcacagggtg ctcagatagc tccttctatg catctgctac catcacataa 120

gatggcttac tgagctttat ttcatgtaga tacatcctat gaacattcct ttacttcggc 180

taacgtatca tattacaatc ccttatgatt acgattttct ttgaattatg cacctaacca 240

<210> 23463

<211> 364
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D6

 <400> 23463

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 ggcaaaagta agctgctgct gttcttcgac ccggtccggt cgatcgattc gttctttccg 120
 ccatggaggc tcggaggaag cccgcggtgt gctgtgccct tcttgtgctg ctcatcgctg 180
 cctccagcgc aacggtgtcg actgctcatg acgagagctg ctggaaggac gacgaccacc 240
 accctatctg ctttcccgaa gactgcgtgg cgacctgcca ggatcacggc cacgcggacg 300
 gccgctgcaa ctgggcatgg tcgtggaggc cgtattgaca gtgcctgttg gcggactgcc 360
 aata 364

<210> 23464
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D7

 <400> 23464

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 acagttacat tcatttacca ctttcaaccc ccacaggcaa ttcttctgtg gcaagcggta 120
 ctttcaaatt tcagttacac ccacgtaagc ccacatatgc aaaaaaaaaa ttaaaaaaaaa 180
 taccagaatt ttacaggagg catacggttg taggctcagc agacctcaac gatcaaattg 240
 tttgtccagc agagttctaa aggctctgaa agcagtctgc tggaaacatt ttgcctctgt 300
 tgcaactaaa aagctctgta aactatttgg ttgaatatat aaacaaataa cgactgcact 360
 gtcgtgactg tcatgaacct ttcacattga tctcaaca 398

<210> 23465
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D8

<400> 23465

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cgacgacaac atccccggcg ggcaacttctt caagtcgtgg gtgccggcga aggtcgcggg 180
cgaccaaccc ccgcgcgcga tcctcgtcga gtccgggacac tgcgacacgg gcacgccgga 240
gggtcaacgtc atccaccgca gcaacgacac catttacgac ttctatggct tacccaagcc 300
catgtacaag ctcaagtacc ccgttccggg cgcgcgacac ctgttcctgc ggacca 356

<210> 23466

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D9

<400> 23466

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gggtatatatg tacagcgggtt acctttataa taaccattaa atattgcaa tgaacctaaa 120
tctctacatc taatttacgc aacattccca ttgatataata acatatctgg accattgatt 180
atgatgttta ctagctgaaa ctcaattcaa ttgagctat gcagtttgac actccttttc 240
atgtatacct atttacatat ttattagcct attcttctat tatatttaaa cttaccttca 300
cttgcattgt acgttttaat tctttt 326

<210> 23467

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E1

<400> 23467

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ccgcgtcagg agggttcgcg ctgacacctc tcgcgtgctg cagcctcatc atgctggcgg 120
cggcgtcttg cggcggcggc gtggacgacg acggcgtcgg tggtgacagg ctgatgatgg 180
accggttctt cagctggcag gcgacgtaca accggtcgta cccgacggcg gaagagaggc 240

agcggcggtt ccaggtgtac cgccgcaaca ttgagcacat cgaggccacc aaccgggcgg 300
gcaacctgac gtacacgctc ggcgag 326

<210> 23468
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E10

<400> 23468

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cagcggccgc tccctgcacg cggacctgga cttggccatc gtcaaggcca ccagccacag 180
agtgatcatt gcatatgcac tgacctccat attctggctt agtcgcatct cttactctgc 240
tgtcaatgat tcatatctct atatgcatat ctctctgctc tgccttgctg gctggctctt 300
ctcatcatte cctagcagat cgcatagtat tagttgcatg cattatatag atgattcagg 360
tccttcgttt agcaacatgg cgttctatct aattgtttt 399

<210> 23469
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E11

<400> 23469

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caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc tggacgctaa 180
agcgacatgg tatggcaagc cgacgggtgc cggccccgac gataacggtg gcggctgcgg 240
gtacatggac gtgaacaagc cccccttcaa tagcatggtc gcatgcggca acatccctat 300
cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata agcctgtgta 360
gtgctccggc aagcccg 378

<210> 23470

<211> 350
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E2

 <400> 23470

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 tgcggtgctc ttctacatcc tcgccgttgc tgccctcagc gcggccgagg ccccggcaga 120
 gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaaagaaa ctgctgcccc 180
 cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgtcgtc 240
 taggaagtct ggtccagcta ccgcgccagc caccgntctt acacccccctt cttccacgga 300
 cgaggagttg agcccttcen cccagcattc caccgcgcgg cgccccctgc 350

<210> 23471
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-E3

 <400> 23471

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 ggagatggtg ctgacgatgc tgagaagccc ataaggcggc gccagaaagc cgactctgag 180
 ctgacgacag gtagggagga caatggcggc tgccctcttg caagggtgg gcaagggtg 240
 gccctgaggg caaaatctgg gagtcgacca gacgggaacg gcagccagct agatctctcg 300
 gccacgtggg tgccctcgta cggggatggg ctgcacaccg tgaagaaatc atcgagcacc 360

<210> 23472
 <211> 466
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-C7

 <400> 23472

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agatggaccc ggacttctcg cccgggggcg gggggcccag ctttgaattc gccttcaacg 180
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cggggtccag cggcgccggt gccggaggag gtggcctcgc cgactgggcg cgccaccgca 300
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caaattgcaa tgaagttgaa gcagaagagt gtgatgcgta tgaagaanat caagaggaac 420
ctgtagcaat ggtagaagaa tctncacccg atgttggccca agatgg 466

<210> 23473
<211> 461
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B11
<400> 23473

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agcggttgac tttctgatca ttccacagaa aagcaaaaag accattgagc agattaagaa 180
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cgacaaatat ggtactcata gtgtatcagc tgaggttggt gccagaatga gggacatggt 300
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tcctttcaca accgaggaaa ttgcagagca agtaccagat gttgacatgt caaacatcga 420
aactcccgca tctcttcgtc atgttcattc tgctcagttc t 461

<210> 23474
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B12
<400> 23474

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acaagaggaa gaggacagga ggtcgggaaca ggaactgtcg tcgatattat tcttgtgagt 180
tccaccccaa aacgaagcaa cacgccttgc ccggtgtgca ccgacgaaac cagcgacagc 240
agcacagaga cgaacggcgt ggtatcctcc tgccctcagct gcttcctagc tgggggtgct 300
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acgtgcacgc tcgctccctc tgaccctgac gacacgggtg ctgccgcgcg cagatacctg 420
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<210> 23475

<211> 181

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B2

<400> 23475

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tctgccttag atggacacta cgacgagaag aggacatgca atgtggaaca cacataggac 180
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<210> 23476

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B3

<400> 23476

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ctgggcaggg tgccattgat gctgtgagag atatgagcat ctgacaacct gtgtgctatc 120
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<210> 23477

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B4

<400> 23477

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tttacatcaa gtgccgcagt cagagccctc ccttgtggcc acttcatgca ttcagcttgc 300
tttcaagcat acacttgtag tcactacact tgccctatct gctgcaaadc cttgggagat 360
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<210> 23478

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-B5

<400> 23478

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tccgccgtcg cgategaccc cggcgccgcg cccgacgacg acgaggagcc atacctggac 420
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<210> 23479

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B6

<400> 23479

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<210> 23480
 <211> 132
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-B7
 <400> 23480

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<210> 23481
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-B8
 <400> 23481

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 actctgttgg tgaagcaacg attccattgg aagcaatgta tactgaaagg agcattctcc 360
 caacactcta taacgttgtg aaaggcgtga aatactgccg agaaattaaa gttggattca 420
 cat 423

<210> 23482
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B9

<400> 23482

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aacgttcgca acaagtgcgg cgtcgattcc atggtctata ccgtgtccgc agtccacgcc 360
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at 422

<210> 23483
<211> 60
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C1

<400> 23483

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<210> 23484
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C10

<400> 23484

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tgtcgcgccg tcaatggaag ccacaacgtc aaacccgcac tcctcaacct cacttactcc 180

cacgcccgcg ccgtcaatgg aaggaaagcc aaatctcctt gcccgagtc ctcggaaggt 240
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<210> 23485
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-C11
 <400> 23485

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 agccttgacg acattgatgc tgcattcaat gattcagagg accgtcttgt ggcagagaaa 240
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cttggaaatt tgtttgagaa ggagatgatg ggaatggtaa agagggaaac atctttcacg 360
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ggaatgctgc acaccagctg cgggagcccc gcgtacgttg cgcctgagat catcaacagg 240
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<210> 23488
<211> 270
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<223> Clone ID: LIB3066-020-Q1-K1-C3
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ctgctgcaca ccacctgcag gacctctcac tacattgcac ctgagatcat taacaataag 240
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<210> 23489
<211> 242
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<213> Zea mays
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<400> 23489

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atttgagct acggagtata cactgcaat cgatatctgg tctgttggt gtgtagtggc 180

tgagcttctg attggtcagt ctgagtttcc tggtgaaagt ggtgttgatc atctggtcga 240

ga 242

<210> 23490

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C6

<400> 23490

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gggccaaacg gaggaagggc catcatttag attgagcgta tggccaggga tattcgctga 120

aacctcagga atacgtcat ggtccctatg gacgaggagc cccaccgggc tctactgggat 180

ttctcgccgg tggtggcaga caacgccgac ccgccgtgcg ccgtggccaa gcttctactgc 240

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<210> 23491

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B10

<400> 23491

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gaaagcgtgt catgcacata catatgagat acgcaccttg accattgtgc tctcattgct 180

ggatacggag actctgattt cgccaccatt catctgaatg acaagcctta ctgtatcatc 240

aagaactcat gaggccagaa ctgatgagc aacggatact acaacatatg caggagttcc 300

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336

<210> 23492

<211> 242

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H11

<400> 23492

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tattggaggt atcatatata tatatatata gggagacgat cgattgacag ctagatctat 180

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tt 242

<210> 23493

<211> 341

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 23493

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acctccggtt tcttgattgg gtggtgatcg gtgaaggaag gagaaattaa gatgagcctc 180

ttcgggcttg ggagcaagaa tcagaagacg ttcaggccta agaagaatgc accgtctggc 240

aacaaggggtg tgcagctgaa gaaacacatc gatgcaacct taggaagcgg ngaattgagg 300

gatgctgtcc gattgccacc agggggagga tctcaatgaa t 341

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<211> 328

<212> DNA

<213> Zea mays

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<400> 23494

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tctgcattac cattaattat tacatggcaa acagcccata catgctagct atttttgaaa 180
ctgtttttta atcattacat cagcaccgat atcccgggaa tatectcaa gccatgcata 240
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acttgGCCCA tttcattaca ctcttacg 328

<210> 23495
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-H3
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cgcagccgcg gccgacagtg cgcagctgca gcatgcaccg cccaccggca ccgttgagca 240
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ggttggcgtc acgaacacgg tggcgggctt ggcggcgggc gtcacgaaca cggtcacggg 360
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g 421

<210> 23496
<211> 295
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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cgctctcctt caacgccttc gcagtggccg cgctcctgtc cgtggtgtcc gtcgtcacct 120

acggcgctcg cgcacagcag cagcccagcc acaacgcctt cgagtcgtcg caggacaggt 180
 nccttgtgtc ctacagcagt ggctggctgc ccgccaaggc cacctggtac ggcgcgcccc 240
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<210> 23497

<211> 311

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-H7

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 taacttcatt gcttacaat gatgacttga caatccttac agagaattgc aatttggtctg 180
 aactttcact ttctgggtgc aaacttcttg actccagctc tcaagacatt atctcatctg 240
 ggtggccaaa cttggcactt ttacaccttg angaatgtgg taaagtaact ggtgaagggg 300
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<210> 23498

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H8

<400> 23498

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 agctctcgca tgaaagatgg cgctgttccg gtgaagcagc tgccgaaagt gatggagagc 180
 gtcaagcagt tcatgttcta ctgctgaagg tggcctttgc aggaaggacc gtcacgcaca 240
 cttttgttgc catgaaatga atcgagtaat tctgggttgg tgtaactatg gtgaagtaac 300
 cctgaagggc gggccgcacg acctccaaat catattttgg gcctggcgag tcttctatcc 360
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<210> 23499
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-H9

 <400> 23499

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 catcaattga ctcaaggaga aaagagaggc gtcattcaaa attctgagtt tgttcgctct 180
 attagagccc agaggcggta ctgggcgagg agctatgctg gatggataag gtttaggaga 240
 gcacaaccaa atgcagccca ttacgaccc tcccttctgt ctgcgcgcct tcactttcat 300
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<210> 23500
 <211> 363
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A1

 <400> 23500

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 cgggcatgcg ctagcacttc accgggacga cagctacett gacgagcctg caatcgacac 180
 tgtcaagagg atgaagctct atgcagaatc actcgcacgc tttcaaggag ggtcccccta 240
 catctaccct ctatacggtc tgggagagct cctcaggcc tttgcccgcc tgagcgtgt 300
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<210> 23501
 <211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A10

<400> 23501

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attaccgagg ctgagaggcg aggacagaat gccacgtacg caccatgcac ccagacgacc 180
agacacttac acgaggagga tcacacactg aagaagagac taagccgcct tactgaacga 240

<210> 23502

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A11

<400> 23502

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ttaccaggag attgctacgt cgagttatat gttgtgtcga attcacgtgt aggctctgaa 180
tcttgactgt gttcgttcat tttcgcttgt ttcacactga agtggtataa gctcaacttt 240
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<210> 23503

<211> 453

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-A2

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tccaattgaa aggggttagaa agttgctttt gactcatgac ctggcaaagt ctgctgagct 180
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ggagtcattt gggccagaca ggaaggagat gagagcttct cttccgtagg ttggcagcat 360

gatgaggcag tcctcattac atggtatgat agccaggaaa aataattntt gatgaaggcc 420
tcangcatta ttggaaatat nntatcggaa atg 453

<210> 23504
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A4

<400> 23504

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caaaagtgaa acggctgaaa gcggagcggg agcagagagc ctccggcgag gctgtgagcg 180
accacgatcg cctctcaagc gaggagcccg ggtgctcatg caggagtcg aactccacag 240
atctgaagcc gcccaaacat ccagccagc taggcgacgg gtctaaggag gagaaggttg 300
cgaaacagga agcgtccgtt gagtgcggcg gcgattccaa agacagcagc gaagtgcgga 360
gctcggcgag cttgtgcccc cggcggcgtg gaa 393

<210> 23505
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A5

<400> 23505

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gcagcaggcg gtggcgagc agcccgtggc cgcgccatc gagatgggcg gcagcctgca 360
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<210> 23506

<211> 177
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A7

 <400> 23506

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<210> 23507
 <211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A9

 <400> 23507

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 aatagggagc ctgagaggcg actacagcat gccacgtacg caccatgcac gcagacgacc 180
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-B1

 <400> 23508

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<210> 23509
 <211> 423
 <212> DNA
 <213> Zea mays

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 <223> Clone ID: LIB3066-019-Q1-K1-F5

 <400> 23509

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atg                                                                    423
  
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 <211> 398
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-F6

 <400> 23510

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<211> 485
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F8

 <400> 23511

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<210> 23512
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F9

 <400> 23512

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 <211> 350
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-G1

<400> 23513

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ggcacgtagt tggctgtgcg gtaattgctc gtctggtcgg gagggaccaa taacgcaagt 240

gttgctttgc tttgctcact tcgtttgctc ttgtaactnt atgggggtcaa ccgttatata 300

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<210> 23514

<211> 197

<212> DNA

<213> Zea mays

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<210> 23515

<211> 163

<212> DNA

<213> Zea mays

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<400> 23515

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<210> 23516
 <211> 320
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-G12

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<210> 23517
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-G2

 <400> 23517

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 tgctgtgctg accgtgcgca cgacgacaac gtagctgcta gcagcaggca tcctgtgcct 180
 gtgcatcgtc tgccctctgcc cccgcggcgc cgatgccgcg cgggtctacc ccggcgccag 240
 cccgatcgtg gtcacctgca tgacggtgct gtaccagag ctgtgcgtaa cgcgagctgg 300
 tacagcggct gctggacgtg cagacttcta tcgc 334

<210> 23518
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-G3

 <400> 23518

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gaagacgaga acaaggagaa agagcggcag ctggccaagg agaaggcgta cgcggcggag 120
aaggtcgtcc agcatgagat gctcaagtac gccaaggaga agggctctgt gtccccgacc 180
aacggcacgg ggtggtacag gggcatcgct cgggagttcg tggacgcca caacgagctc 240
cgcgcgcgct acggcgttgc ctccatgaag tgggacaacc agctggcgcg gcacgcgctg 300
cactggtcca acgccatgcg caaggactgc cagatccttc acagcggta ctagtacggc 360
tagagcgtgt tcaggagcta ctacgactgg aacgcct 397

<210> 23519

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G5

<400> 23519

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accctgcaga acacgtacga ctgcctcgac gtccacgtcg gccactgcct atacgcgctc 180
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<210> 23520

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G6

<400> 23520

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ccggtgccgg aggggcgccc gtcggttccg gcgggtccgc tggacatcgc gcagctgggc 180
gccaagggcg acggcaagtc ggacagcacc ccgatgatcc tcaaggcgtg gaagaacgcg 240
tgcgaggcga cgggggtaca gaagatcgtc atcccgccgg gcaactacct gacgggcggg 300
ctggagctga agggcccctg caagtcctcc atcatcatcc gtctcgacgg caacctgctc 360

ggcaccggcg acctcagcgc gtaccaaagg aactggatcg agatcgagaa cgtcgagAAC 420
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c 481

<210> 23521
<211> 291
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-G7
<400> 23521

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gcgcgttatc aactacttg tgagggcact tataataact gtaccacca actaatcatt 120
acctttgaca atagaaacac tctcacttta caactttata atgaacatca cacagaatTT 180
atctacagct tacctttcct tcttaagact attgaaaaag ctatacacgt tcattaacat 240
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<210> 23522
<211> 412
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-G8
<400> 23522

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tcttgcttcc gctgggggtg ttctcaagt acgggtgcgg ccacgagttc tggatctgcc 180
tctctctcac ctctctcggc tacatccccg gcatcatcta cgccatctac gccatcacca 240
agaacaacta gctagtcac cttgccgacg acgatccatg tctctgtatc tgcgtctgtt 300
catatgcctg atgccgactt gtgctgtatg tagttgcttg aattcagtcg tgttttgcta 360
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<210> 23523

<211> 330
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-G9

<400> 23523

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tcataaacct gtcaaagtcg tgttcaattt agatattgct catgtggaca aacaaacaat 180
gaggcagaag tatggagaaa taatgagttc aaataaggaa gtgcttgact cacttcaggg 240
cttggaggct ttgcctgaag tagatatcag cacgaatgac atcatgctgc aagatcaaaa 300
cccttntgtt gtgaaactgc attacagaag 330
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<210> 23524
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-H1

<400> 23524

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cattcccttg gagaatggaa acagtcttac tttgcaactt gataaggaag cagacaagga 180
attcatgtcc agcttggctt cccttcttaa gactattgaa agggcgatcc aggttcatga 240
agattttctca ggtgtcgtga accctgcaga gttattagaa tgccacttca cagggttgaa 300
ggctctggag aatgaatatg gttctgggtga aactgttaag cagggaacag aaatagttca 360
gagagctgtc accaaatcat tccagtcctt acatg 395
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<210> 23525
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-F4

<400> 23525

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 ggcacgccgt ttccgcaccg gcagggcggtg ctgttcaaca tccagtaagt cagctactgg 180
 ttcggcgagg gcgacggggc gccgccgacg cagtggagca gggacatgta cgcgttcatt 240
 gagccgtacg tcagcaagaa ccctaggcag gcgtacgcca actacaggga cctcgacctt 300
 ggcgtcaacg aggtgggtcg cgacgtctcc acctacgaca gcggcagggg ctggggcgag 360
 aagtactaca atggcaactt cgag 384

<210> 23526

<211> 232

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D7

<400> 23526

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 cccttctcgg gcgccctggc ctctcgtcgc tegtctctgc tgcaccagtc gtctccgtct 180
 gagagtgaga ctgagaccga cagtagcagc ggagaatctt cgtcgtcgtc gt 232

<210> 23527

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D8

<400> 23527

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 cctgaaaata ctctgtgaa ctatgaagcc attgctcata cttacagttt gcttctactg 180
 ttctctggat ccaaggcatc aacttttgag gctcttacct agagttttca ggttgcatct 240
 tctttgagga gctatgcgct cactgaagca gattcattac aaccgtctcg gcgtcgggtca 300
 ttgtttactc tgtcgacagc catgattatt ttctcgtcaa gagcttataa tgtgttgcca 360

ctcattccaa tctgtaaaca aatgatcaat gatcgcgcgg ccgatccatt cctttcgttg 420
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<210> 23528
 <211> 457
 <212> DNA
 <213> Zea mays
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 <400> 23528

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 ccccggtgtc tacgacatcc actccccag gatcccgctg gctgaggaga tcgccgaccg 180
 catcgacaag atgctggcgg tgctggacac caacatcctc tgggtgaacc ccgactgcgg 240
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 taagctcatc cgcaccacgc tcgccagcgc caagtgagca cctttttttg cccttttcgt 360
 tccgaggagg cgctcgatcgat gccaaattgt tccaataaca gggctgtgcc cggccgtctg 420
 ttgtacttcg gctgtgggta gggtaagagg tttcctt 457

<210> 23529
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-E10
 <400> 23529

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 atcgaagcaa accccttcac cgttggttgc ctcgtgccgt ggccctngaa gtcgatgact 180
 gctcatcatg gtaggaggcc ccgaccgacc gtgcaatcgt gtgccgacgc tgtggctgtg 240
 cgccaatgaa atcacgaccg gagaggaaaa gatcaacatt aacaaggaag gatgtaacag 300

tcaaagcgaa tctcgagatg aatcaagact tagatttttc agatgaagtt tttcctatct 360
 ttc 363

<210> 23530
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E11
 <400> 23530

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 tgggtgcatgg tgagaaggca aagtcaaagg acaacgatgc aaaagcgtcc gggcccgggtg 120
 ggtccttcga catcaccaag ttggggcgct cgggcaatgg caagacggat agcacgaagg 180
 ctgtgcaaga ggcgtgggca tcagcgtgcg gcggcaccgg gaagcagacg atcctcatcc 240
 ccaagggcga cttcctcgtc ggaccactca acttcacagg cccatgcaag ggcgacgtga 300
 ccatccaggt gaatggcaat ctgctggcga ccactgacct aagccagtac aaggatcat 359

<210> 23531
 <211> 144
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E12
 <400> 23531

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 atgtgttggg acgagatggt ttgt 144

<210> 23532
 <211> 339
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E2
 <400> 23532

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gcgggccgcg gaacggatcg aggccaccgg catcctcggc tcgcgtcgcg tcgcgggcgcc 120
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ttgtgtgctg gcttgatctt ggtgcgtgtg tgggtggtgt gagtcgcccg cgtgggggtgt 300
cggagctagg gtttgggcgt tcaggatgac ggcgccggt 339

<210> 23533

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E3

<400> 23533

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gcctgcatgg cataagcctt gcctgttcag ggtgattcca tgtccctaaa tactcaatca 120
gctcttggtta caaaaaaaaa aaaaaaaaaa aaaaaaata aaaaaataaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaata aatataataa aaaaaaata aaaaaataa aaaacaaaaa 240
aatgaataat aaaaaaaaac aaagttaaaa aaaagggggg cccc 284

<210> 23534

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E5

<400> 23534

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ggccagccac cgccaccga cccgtacggc cgcgcgcccg tcgacccga tccgtacggt 180
cgacctccgc cccagtccgc gtacgggtggg gccggggacg cctacggcca cagcggccaa 240
ggctacgcgc ccccgccggc ctacggcgcc gggggcgggt acggcaacgt cgtccacgtc 300
gcgcacgagg tcggcgacga gaggccttac ta 332

<210> 23535

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-E6

 <400> 23535

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 caatgagaaa gatgtggaga ctacgttgac catatttgga tcttttgagt tcagcttaga 180
 agcaatgccca gaaaattcaa gaattttttt catggctctt gcagctatct cttgggaaga 240

<210> 23536
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-E8

 <400> 23536

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 accgatttca gaaggcacct cgcgttcggc acgtcgagcg ccagatcgtc tagagagtcg 180
 atcaaacggt cgaacccttt agtgatctgg ctctcgttga taacgccttc cttcgacgcc 240
 gaagaagggt agcgaggtcg acgactccgt ggtgcggcag ttcaaggata aggacgtttt 300
 gatcataaag gagtact 317

<210> 23537
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-F1

 <400> 23537

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 agattgattg agctgattgt cagataggtg tatctcactg gagtgctgtg atagtacatg 180

gcggtgctaa tgtatcatag tatgtcaaag aaaacctgtt caacaatctt gttagacata 240
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 aattcataca atctgactgt actgaaatca atgctgttct actgc 345

<210> 23538
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-F10
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 tggatcatcca aagcgagcct ggtgccgtca tccgtggcaa gaaaggatca ggaagcatca 360
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 cagttgcaca tgggtgt 437

<210> 23539
 <211> 194
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-F11
 <400> 23539

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 tcgtcgagca acaaggcgta ctatcaattg tttttgtaat acccaaaatt agtgaataaa 180
 gggaaactgg ttat 194

<210> 23540
 <211> 396
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F12

<400> 23540

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atgccccgcg gaatccccctt tcttatagag gttacagctg cggttggtgt tcctggtgtg 180

aaatgtgcag tcaaaactcc aaatagagag atggttcctc tcttctttga agctatggag 240

gctctcacca agtgacgcc aagttaatgg atatgtggtt ctacaaaaaa ttatcagtcg 300

atgagctgct ataggtgttt ggatgcggca tttttttttc acggaaagct tgtgtgaatg 360

gtaatttttg gattagatta cagtatttaa actgat 396

<210> 23541

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-F2

<400> 23541

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tccgtggggc ccgcctcacc cgactccctt gccgcgcagg ccatgcgcgc cttcgccgca 180

caccgcgatg cctnctccct cacctccgcc tactccgcct cagcctcgtg ggcggcctct 240

cgccggagcc accacgagcc ctccgtgtcc acaccgtccc tggatagttc aggctatgaa 300

tacacgtcca tgaagaacct caacgaggcc aagtatggat tctggggcac acttgccggg 360

aaggcaaagt catttcttga cgaggactgc tccccgagc aatacaaac gccaaagat 420

gatgtgcatg tnggtgtcca gcttccacat tcaaaacaat 460

<210> 23542

<211> 372

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D6

<400> 23542

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tcgatacccg ggaataccgg gtgtttgtag gcacatggaa tgtgggaggg aagcctnctg 180
acagcagcgt taacctcgaa gagtttctgc agattgaggg attgcccgat atatacgtct 240
tggggtttca ggagatcgtg cctctgaacg cgggcaacgt gctggtcgtg gaggacaacg 300
aagccgcngg caagtggatg gagctcatct accaggccct gaacaggccg ccggcccacc 360
aggacgggga gt 372

<210> 23543

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-F3

<400> 23543

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ggcgaagccg ctgggaacaa ggtgccagct ctgcaagctt gatgttgctt tccggacaca 180
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<210> 23544

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-C10

<400> 23544

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aggttgtgcg atatatgtta ggagataaga catgcacaag gtgctcatca acccaccttc 120

agaagctcta gaatcttttg actacattgc aaaacatggg aatttcagtt ttacagagag 180

gtttgccgtg aagtatgctg gtgctgoggc catgtacatg gtatctaaga aactaaagaa 240

gaaatacaac ataactgacg agcgtgcttc attgtatgat gctgccaata catggatoga 300

cgcactgaac ggaagagatt tcttgggtgg ctccaagcct aacttggcag atcttgccgt 360

cttcgggtgtt ctgagaccta tccggtactt gagagcanga aaagatatgg ttgagaacac 420

tgaaatcggc gattggtacc gacgcatgga 450

<210> 23545

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C11

<400> 23545

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catctcaaac catcgcatct ttttactaca tttcaaaact ttcacacatc tggttatacca 180

acatcttata cccgaacaat tctttctacat catacatctc catctcatct aataaaactaa 240

aaaaaatata caacata 257

<210> 23546

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C2

<400> 23546

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aagaaaaaga aaaaaaaaaa agaaaaataaa aataaaaaaa aaaaaaaaaa aaaaaaaaaa 120

ataaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaatacaa aaaaaaaaaa ataaaaaaaa 180

aagggccaac ttttaatatg ttcaaaaatt actatacgct aaaatgaact tcatttttctt 240
tatt 244

<210> 23547
<211> 361
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-C3

<400> 23547

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ggctacgatc ggcgcggatt tcctcaccaa ggaggtgcag ttcgaggaca ggctcttcac 240
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c 361

<210> 23548
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C4

<400> 23548

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ttcctcgtca atggcctagg ggaagggtgc tcccggagcg acacgtgccg cctggacgcg 180
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ggcatcatcg agggcctccg gggagtgcgt acgccgtcgt ccccggtggac ggacaaggcc 300
ctcgcggtgc tgctgaacct ggcgatgacc cggaggggca aggaagagat cgcggccagc 360
gcggccatgg tgggcgccat cgtgctcatc ctggacaacg gtgagccccg gggagaagag 420
aaggccgtgt cgtgtctgta cgtgatct 448

<210> 23549
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C6

<400> 23549

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 caccatgaca aaaccggatg agccgtatgg ctgccaaattt cagttgtacc ctgcttcagt 180
 ctattattat cctgcaagct ggggtggtggc ctgggtgggct tctcccagat ttaccctgct 240
 tcatgctatt attatcctgc aagccggggcg gtgggggtttc tcagatctat cgctcatgta 300
 gcaactttca agcactcgtc cattgattct tttgttgtct tgtaggaaac atttgttccg 360
 acaggtgtag tagacacttt taaactgata attcaataaa cgtatgttta cggttactgg 420
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<210> 23550
 <211> 440
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-C7

<400> 23550

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 tcatgaagat ggttcaaagt ggtgatggga ggtgtggatc actcggtagc gcctctttcg 180
 aggctccgga gaaaatgatt tgtgaagacg acacgtatcc taagaaacaa gctttgtttg 240
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 ggattgaaca tcttcacgtg tcacctcttc acgaggaact tatecncact tcaattcata 360
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 gcaagagcca cggaacacca 440

<210> 23551
 <211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-C8

 <400> 23551

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaataaaaca aaaagaacaa 180
 ataaataaaa aatgcaaaaa cttaaaaaga taaatatgac aataaa 226

<210> 23552
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-C9

 <400> 23552

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 tcaattcaag ggagggtataa aagccgtttc agtactatga agaagctagt aaaagatgga 180
 cggaagccag aagaagttaa agacattcta ggtttgaggg taatcttgga gcctcggtgt 240
 ggtggcaatt catctgattg gggccctagg gcttgccaca ggacacattg aaatattcaa 300
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<210> 23553
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-D10

 <400> 23553

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ggcgttcccc gagttcatga ccgangacat ggtcaacatc atgaaggact tcgacgagcc 180
 agggcaacctc gcgccgacag gcctgttcoct cggacctacc aagtacatgg tcattcaagg 240
 cgagcctggg gccgtcatcc gtggcaagaa cggatcagga ggcatacccg tgcagaagac 300
 agggcatgca ctcgctcgttg gcatctacga cgagccgatt acgcctgggc agtgcaacat 360
 ggtgggtggaa aggctgggcg actacctgct tgaacagggc atgtaactac tacgtaccaa 420
 ctggcatgca tg 432

<210> 23554
 <211> 457
 <212> DNA
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 <223> Clone ID: LIB3066-019-Q1-K1-D11
 <400> 23554

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 aaaatgttat gaccaatttc aatatatttc agaaattaat attactaggt aactcatgta 180
 taatggttgc tttttaagca aatgccaaac aaatatagag aaggggggatt caaacagata 240
 tgatcttgca ctatttacia tcttggttaac catcttgtct atttctctta aaatgttact 300
 cagatgatga tttgtattca atacattcac caatggccga caaagatgac aatgatgagg 360
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 caaagctagc gaaagatctt ctctgaacca ctccatg 457

<210> 23555
 <211> 453
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-D12
 <400> 23555

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 aagacttgta tcatttgatg atgccatgtg aatcgctaga aacatgtgaa gtgtatggct 180

aacccaataa cgaaagtttc gtaaggggac tggagcaggc taccatgaga caaaagatct 240
tcttttctaaa gagattcgat tcggaactct tatatgtcca aagttaatat ggaaattctt 300
tcagagggttt tcccttactt tgtccgtgtc aacaaacaat tcgaaatacc tcgacttttt 360
cagaacaggt ccgagtcaaa tagcaatgat tcgaaacact tctttttcca ttacactatt 420
tcggaaacct aaggactcga tcgtatggat atg 453

<210> 23556

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D2

<400> 23556

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cgccgccggc aagctgaatg cggagctggt tcagtgggtg gcgttcggcc gcgtgatccc 180
gttcatggag tttgccaagc gcctggcggc gaggtggccg cgccgtcacc ttcctctcca 240
tgcagaggaa cgtagccaga ctccgcccg tcattggagg cctgcctgcc cgagggcgcc 300
aagttcacgg ccgacgtgcc gtengagaag cactgttagc aacaatacaa gaaagacgtc 360
agaagctcac cagcactgaa gatggagcac tgaagatgga aaagctgacc aacaatactg 420
a 421

<210> 23557

<211> 394

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D3

<400> 23557

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ttgaaggaga atgaattttt ttcacagcaa agtggatttc caaacaacc aaatgaatgg 180

aaaggaaagg atggactcta tgctgctggg ttctcaaggc gtggtctact tgggtgtgtct 240
atggatgcca ccaaaattgc ggaggatatt gcgcagtctt ataataatat atataagcta 300
caaagatcat aagaacaaat gatatttaac tatttatcaa taatttagct atcaccattt 360
gagagttntg taaatatatg tactagtcta tttg 394

<210> 23558
<211> 477
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-D4
<400> 23558

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ctccagccca ggcaggggga ggagatggcg gcggcgccag cggcgggagg gcagggaggc 180
gggggtatgg acgcgcgcgt cctcgacgac atcatagcc gtctgctcga ggtgcggacc 240
gcgcgccccg ggaagcatgt gcagctctcc gagtcggaga tccgccagct ctgcaccgtc 300
tcccgcgaga tcttctctaa ccaacccaac cttctcgagc tcgaggcgcc catcaagatc 360
tgcggtgaca tccatggtca atacagggat cttctaaagg ctttttgata tggaggcttt 420
ccctctgagc ccaatatcca ttctaggggtg atatgggtgat cgaggcaaac aaagtgtg 477

<210> 23559
<211> 378
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-019-Q1-K1-C1
<400> 23559

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cggacgagga ggagatgagg aatagtagaa taaaagaag agtttatgaa ttgttgtcaa 180
aaactgcgca tgggggcaac aattacaatg gccaaaagga gcttcatttt gtgtttttca 240
ggaaacctat caggttcac cctgcagaaa atggttccac ggttggtgct gttcaacttg 300

agaagacagt attaaaaggt gatgaagtaa ctgggaagca ggtcgctgct ggaactgggtg 360
 aggttgaaga cctaaaat 378

<210> 23560
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-A5
 <400> 23560

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 atgagctgcc gattcaatca tctccggat aggaatctgg ctattgcctc tgccagaatg 120
 aagggagaat atcctgagag agcgggacag ccagagtgtc agtattatct gaagactgga 180
 acatgcaagt ttggccctac atgcaaattt caccatccca gggaaaaggc tggaattgca 240
 gggaggggtgc agctaaacac atcaggatat ccactccgcc cgaatgaaaa ggagtgtgca 300
 tattatntaa aaacaggaca ctgtaaatat gcanatactn gtanattcac catccggact 360
 tttcaatgtg gtgctttcgt cacg 384

<210> 23561
 <211> 243
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A6
 <400> 23561

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 tcttgcattt gtctcttcca taatcaaacc agaatacct taaaaatctt tacaaccaa 180
 atttcaactca tatttcaaga ctctaacatt ccatttttac cctacattca aatttcacca 240
 ttc 243

<210> 23562
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 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A7
 <400> 23562
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 catattcccc tacaatctct aatcacatac tcacaa 156

<210> 23563
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A8
 <400> 23563
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 ggaggatgga gaggaaacag ctagcagcga gcgaggaacg aagaggggtgc ttgcgcacgtg 120
 catgtgagat ctgtcgatcc cgatcgctcg acggcgcgaa ttgaactata cgacgactta 180
 cgtgctacca ccgcggtcgt tggatcattc caggctgagc aatgggcaag atcaagtacc 240
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<210> 23564
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-A9
 <400> 23564
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 atgagctaca tgatttccca gcctatgcta cttgatttgc ctccaataat tatgtttgat 120
 gtagaaaaaa acaccatttt ggaagcgcag gggcaactga gcaacactat gtattaacta 180
 tctcgtagat actacagcag aggtctcttg taaagcaggt tgagacgatc attctgcagt 240
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gctagcactt acgggtgtga cgaacgatct gctgtcgggt gagatgaaaa ggcgttcgcc 420
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<210> 23565
 <211> 286
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B1
 <400> 23565

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 acttaatcct tatcgatatt attcaattcc taaatagata cctgatccca aagacataaa 180
 tctcaatca tcatactact attattatcc tacatctaatt cctacaatga tacctaattcc 240
 ataatacaac ctaccattta atcttaacaa aattcacaat cctaac 286

<210> 23566
 <211> 113
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B10
 <400> 23566

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<210> 23567
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B11
 <400> 23567

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 gccgccgtct ccacacccaa ggttgcgccc gaggccactc caatctccgt tgaggttgcg 180

gctgatgaac aggtagctga gaaggtggtg gtggaggagc cggctgcggc ggccgacgtt 240
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aaggaggagg aagccgtgga gaagaccgtc gtcgaagagg agaagccagc ggcagcagcc 360
catgcagagg aaaaggtcgc caccgtcgcc gagaccacga cgacggtgga ggcgaagaag 420
aacgccgagg agggccggaa ggagaagc 448

<210> 23568

<211> 276

<212> DNA

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<400> 23568

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accttaccta tccacatata atatctcacc ttaacaattt taaaatcaaa aaaacatcta 180
ttttataatc acatatataa tcaattcatt ttccatcatc caaatcttac ttaactcgca 240
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<210> 23569

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B2

<400> 23569

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tcctccaacc agccgcttct cccaacgag cagcaagaag tcgttgacgc actctacgtg 180
aatcacgaag ctcacaccgc catccttcaa accgacgagg tcgtccaccg ccacggtgga 240
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442

<210> 23570

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B3

<400> 23570

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gcaatctgga tcttcagaat ttctacgata caaagctagc aacacagcat ataagactga 180

tgtcgaccgg attgtcataa ctccagctgg cccatcaggc ccatcttctc ctgagtctga 240

agctgggggag tccaatgtgt ttcaccagga aaaagatact gcagcagatg gggcaccgcc 300

tgacactgat ggagcagtgg ctgaggccgg ataggaagaa acaacggaaa atgttggtga 360

agcgacattt agctatgacc gcttgatata caaatccacc gatccagttc gtgggataga 420

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<210> 23571

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B4

<400> 23571

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tctcctgctc attgtgtcca ccgatatggc acaggcaagg gaatgcgaga agtacagtga 180

gcgatttggt ggggcatgca tgatgcgaga caactgcgcc aatgtgtgcc gcggtgaggg 240

cttcttggcc ggcaggtgca gcacctccg ccgncgctgc atctgcacta ggcagtgcta 300

aacaagatcg ctcgatcgtc cgccatgcat cgacaaccta ttcttaataa cgttcattat 360

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450

<210> 23572

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B5

<400> 23572

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cgcattgtca taactccagc tggcccatca ggcccatctt ctctcagtc tgaagctggg 240

gagtccaatg tgtttcacca ggaaaaagat actgcagcag atggggcacc tcttgacact 300

cattgagcac tggct 315

<210> 23573

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B6

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gccaggagga agtttgttct ttttaacaata tgtcgaggga ggagaatgtt tacatggcca 120

agttggctga gcaggctgaa aggtatgagg agatgggtga gtatatggag aaggtggcta 180

agactgtaga tgtggaagag ctactgttg aggagcgtaa ctttctgtct gttgcataca 240

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aggagtcccg taagaacgaa gagcatgtga accttatcaa ggaatatcgt ggcaagatcg 360

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<210> 23574

<211> 424

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-B7

 <400> 23574

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<210> 23575
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-B8

 <400> 23575

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<210> 23576
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B9

<400> 23576

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agaatccttg agcttgctga agagctgtct atgccacttg ctgctgtgaa gtactcccgt 180
gggacgttca tctttcctgg cgcacagcca gccccccaca ggagcttctc tgaggaagtt 240
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gatccagcaa gacctggaca gaagtggcac gtcttctacg cactgagta cccagagcaa 360
ccaatgggta accttgaaat gtgcatgact ggtctggaca agaagaaagc ttctgtcttt 420
ttcaagacta atgctgatgg gaacacaaca tgtgcc 456

<210> 23577

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A4

<400> 23577

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ctgaactgag caatatctgt gatggcatct tgaagctgct tgactaccac ctagtgcctt 180
cttctactgc tgctgaatca aaggctcttct acctcaagat gaatggtgac tatcacaggt 240
atcttgcgga atttaagact ggtgctgaca ggaaggaatc tgctgagagc acaatgggtg 300
cctataatgc tgctcacgac attgctctgg ctgaactggc acctacccat ccgataaagc 360
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<210> 23578

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G4

<400> 23578

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 gcgatgcctg aggctagaca aatactgagc tagccttcag aaaaaaaaaag aaaagaaaga 120
 gattgagaag cagggagaaa aaatggcact ggccattga ggaagcttga gaaccagtta 180
 acaagaattg ccaacatatt cttggacaat cttgttaaca gagttttaag gtttccagc 240
 agagaagagc gcgtgcaacc accacattca tataattaat aagcaagggt tagagaagag 300
 gcaacatggg cacaagatg aagaagggga tcctg 335

<210> 23579

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G5

<400> 23579

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 tcgactcttc cgagcaggtc tacatctcct ccctcgcgct tctcaagatg ctcaagcacg 180
 ggagggcccg cgtgcccatg gaggtcatgg gtctcatgct cggcgagtgc gtcgatgact 240
 acaccgtcag ggtcgtcgac gtcttcgcc tgcgcgcaaag cgggactggg gtc 293

<210> 23580

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G6

<400> 23580

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 tttgaaggac cagtcacatc tcaactggca ggaacatatg aatgagacat caccagtagc 180
 aggtttattg aatgctaatt tggaggagca gtcacatctc aactggcagg aacctaaaga 240
 tgagtcatca ccagaagcag gtttcttgaa tgctaatttg gaggagcagt cacatctcaa 300
 ctggcccttg caggaatgtg agccatggat tgagagacat atgttttgac caataagttg 360

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391

<210> 23581

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G7

<400> 23581

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aaggaaggaa agtcatatca agggaggaag ctgtcatgca cataaaagct gctgtagatg 180
ctaggaaaga gagtggctct gacattgtta ttgtagcaag gacagattct cgccaagcta 240
ttttctcatga tgaagcatta tggaggggtga aagcatttgc tgatgctgga acagatgttc 300
tattttattga tgcccttgct tcagtagaag agatgaaagc attttgtgcg ggtgca 356

<210> 23582

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G9

<400> 23582

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tcgcgcagtt ccacttccca tttcctcctt cgtccgcac agggacacac tgcctccgca 120
tgcggaaga tcctccctca tccccaaac atgagaggag cagaggagga gagatctggc 180
gccgccactg atgcgggagg agaggaggag aaacgggaga ggagcgtcgg cctgatggcc 240
ggcctcatgg acaaggccaa gggcttcgtg gtggagaagg tgacgcaa at ccccaagccc 300
gaggctgcgc tggatcacgt ctccctocag agcatcagcc gcgagggcgt cgagctgcat 360
agccacgtcg acatcagcaa cccctactcg caccgcatcc ccatctgcca gatcacctac 420
acgttcaaga gcgccggcaa ggtgatagcg tccggcacga tgcccgaccc ccggtggatc 480

<210> 23583

<211> 327

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H1

 <400> 23583

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 cggggcgggt tttgctgtaa ttatgcttga tgatcatgag gcacctaaag catgtggaca 120
 tactgaagga aggaaagtca tatcaaggga ggaagctgtc atgcacataa aagctgctgt 180
 agatgctatg aaagagagtg gctctgacat tggtattgta acaaggacag attctcgcca 240
 agctatatct catgatgaag cattatggag ggtcgaaagc atttgctgat gctggagcat 300
 atgttctatt tattgatgcc cttgctt 327

<210> 23584
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H10

 <400> 23584

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 taacatacaa acacatacat acaacaacaa tatctattct ataatctcac ctactttcaa 120
 ttctcttctc ctctttttac aacatcttaa ctaataaaac cctactgtca cccaacttaa 180
 taatctttca ccacataaac cttttttcac ctaacctaat atccaatata cccctccta 240
 ttttcttcc taacattttc tcatcctaata taattactta tactccccct cttccttctc 300
 attattcact tctcttt 317

<210> 23585
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H11

 <400> 23585

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ggactgcaag gccgggtgtg acgaggtcac gggcccactc cacatgagca tggaggactg 180
 catgaagagg tgcaaggaga tcgctgctaa gcaggggcct agggaccctt acaaggataa 240
 caaacttgac atcccatgaa ctaattaatg ctcctatatac atctgcctat ccatgcatgc 300
 attgcattgc gtatgcacac tgtgcggtgcc tgcccacaaa gttcgacaac acaccgatct 360
 cgacggattt gtaatcgtgt ccactcgatc gagagatcga tcgatgcctg gtattatatt 420
 tgtattccac attatatata gg 442

<210> 23586
 <211> 496
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-H12
 <400> 23586

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 ctaccaaaca agctctcctt tcgcttccga tccatggagc tcgacgccga caacctgagc 180
 gccaccgagc tccgcctcgg cctgcctggg accagcagca gcagcagcga cgactggcag 240
 aagaagccgt cgcctccgt cgggggccaag cgcgctctgg acgacggcac caagagcgag 300
 gcctcgggga ccagcccggc cgncagagac ctcgacttcg accacgacca cgacaccggn 360
 cgcgcctcca aagcgcaagt ggtcgggtgg ccgncggtga gggcgtacag gaagaacacc 420
 tttcaggcgg cggcggcggc caagaaggtc gagcagaagc agaagcagca gcagcaggga 480
 ggctgtacg tgaagg 496

<210> 23587
 <211> 316
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-H2
 <400> 23587

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cggaccacct gagggccacc atcgacagct tcgccaacga ggcgctccgg acgctgtgcc 120
 tcgcctacgt cgacgtcggc gacgggttct ccccgagcga ccagatcccg acggacgggt 180
 acacgtgcat cggcgtcgtg gggatcaagg atcccgtccg tcccggcgtc aaggagtccg 240
 tggcgatctg cagggtccgt ggcattaccg tcaggatggg caggggccga cacatcaaca 300
 cggccaaggc gatcgc 316

<210> 23588
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-H3
 <400> 23588

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 tcttggtcct cttctgcatc gtgcatgggtg agaaggaaga gtcaaagggc atcgatgcga 120
 aagcgtccgg gcctgggtggg tccttcgaca tcaccaagtt gggcgcctcc ggcaatggca 180
 agacagacag cacgaatgct gtgcaggagg catgggcacg ggcgtgcggc ggcaatggca 240
 agcagacaat cctcatacc aagggcgact tccttgtcgg acaactcaac ttcacaggct 300
 ccttgcaagg ggcacgtgac tcattccagg gatggca 337

<210> 23589
 <211> 209
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-H7
 <400> 23589

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 gcgcagactg cttctatatt gtctgtgggg ctgtaactgt aagccttgtt tgtgaccct 120
 aagcagtctg cgtcttgtgc ctgctgctgt agcggtagag cagagagaga tcaaatgtaa 180
 attacatttt tttagctcaa attcacgac 209

<210> 23590
 <211> 342
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-H8

<400> 23590

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caccgtggac cgcctcatcc agatgttcgg cgccaagggg ttcacgggtgc aggagctggt  120
ggcgctgtcc ggcgcccaca cgctgggctt ctcccactgc aaggagttcg cgcaccgcct  180
ctacaacttc cgcaaccagg gcgggaagcc ggagcagttc gaccccagca tgaacccgtc  240
ctacgccagg gggctgcagg acgtgtgcag ggactacctc agggacccca ccatcgnctc  300
gttcaacgac atcatgacgc ccgggcaagt cgacacatgt ac                        342

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<210> 23591

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A1

<400> 23591

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atcaagttaa gccagaggga tatgattcaa ttcctaaaga gatactgat cccaaggaca  180
aaaagcctga gtcatgggat gacgatgatg atggtacatg gaagcctaga atgataccta  240
atccagaata caagggacca tggaagcggg agaaaattaa gaatcctaac taaaaggaa  300
aatggaagac cccatggatt gtcaatccag agtttgagga tgaccagac ctatatgttc  360
tgaaaccttt gcagtatgtg                        380

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<210> 23592

<211> 72

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A10

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gagttattgc at

72

<210> 23593

<211> 195

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G3

<400> 23593

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gagggttgggc tgaacgggaa ggcgatcgaa gagatcgtga acgagcacia cgtgttccgc 120

gccaaagagc acgtgccttc gcttgtgtgg aacgcgacgc ttgccaaggt cttgcaacia 180

taccccgaga acctt 195

<210> 23594

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-A2

<400> 23594

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atggggcagg ccctgcgcag gctcttcgac tccttcttct ccaccaggga gatgaggggtt 180

gtgatgcttg gtctggatgc agctggtaaa acaacaatac tgtacaggct tcacatggga 240

gaggttcttt caacagtccc tacagtccgt tttaatgtcg agaaggttca gtataagaat 300

gtggcattca ctgtgtggga tgtgggtgga caagaaaaac tcaggtcact gtggaagatg 360

tacctgagta attctgatgc actgatctat gtcngtgatt ctctggacag ag 412

<210> 23595

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-A3

<400> 23595

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aaggctgctt ctgatgattc tgagagaagc atgcttgtga agctgaagac agaattgtggc 120
taccagttta cttcaaagtt ggagggcatg ttcactgatt tgaagacctc tcaggatact 180
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gtccagatac tcacaactgg gtcattggcca acgcaaacct gcaataacct caacctcccc 300
cctgaaattg tctctgtctc agagaagttt cggctcttatt accttggcac acataatggc 360
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<210> 23596

<211> 126

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E5

<400> 23596

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cggnccgacgc ggaacacgtg gccgtcatgc gcgtgggtcat ccgagaggac tttagccgcg 120
gctcgc 126

<210> 23597

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E6

<400> 23597

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gagcattgcg ctggcgagg ccaacagaaa tgcgttcacc aagaaattca agaacgcgga 120
cgtgccgtcg accctgatga agtgcgtcc agactactgc aacatctacg tcgtggccaa 180
gggcaagtcc gtcaatgtca ggctcgccaa gtgcggcgtc ccgccgatgc aactggcg 240
cgacatcgct tcggacaccg actccctccg ggaatcgggtg ctctacatgc gacgcggctc 300

cagggggcac ctgccgctggg tga

323

<210> 23598

<211> 140

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E7

<400> 23598

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tcgtagaaaa agtttaccac gtcttcgaca atcaatttcc tgtagctatt aaacggttgc 120

agtttgatat gcatcttttt 140

<210> 23599

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E8

<400> 23599

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agtgaaggtc tgcctcgggt tttggcttgc ttcagtaaca atctgctccg gagagagccc 180

ttgaagcttg ttgatggggg tcagtctcag agaacctttg tctacatcaa ggatgccatc 240

gaagctgtag tgctgatgat tgaaaatcct gctcgagcca actgccacat cttcaatgtt 300

gggaatccga acaatgaagt taccgttagg gagttggccc aatgatgac agaggtctac 360

cacaaatgtc tcaggagagg caccggtgga tgagccca 398

<210> 23600

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E9

<400> 23600

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gtctgtttgt agagcgataa ttgctctgat ggcccatcct gaaccagaca gccacttaa 120
 ctgtgattca ggcaatctcc tgcggtcggg tgacatcaga ggctatcaat caatggcccg 180
 catgtataca aggctggctg ccatgccaaa gaaaggcttag atgtagaaca tgtgccaaagc 240
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 tgggtggttct tgtttcctaa taagtcctaa ccattcatgt gtgtgtattc tgtattctgt 360
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<210> 23601
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F1

<400> 23601

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 gtgcttgga ttaaactgt ttacaatcaa ggacacaatc cagaaaggct tactttttaa 240
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 acatctggat actactaaac agaaaccaca ccactagaga gcatgcatta acaacattag 360
 aaagcgggta cacaagttgc attaaatcca cagacttta catatacata tacattacac 420
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<210> 23602
 <211> 479
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F12

<400> 23602

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cgtgtgtgag cttgcgcaaa ttggacatct aggccgtgcg tatectgcga tgaaaggcgc 180
 cgtcatcggc gcatcgaccg tcctggtcgt ggcgggtggtg gccaccatct gcgtcgtttc 240
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 gtccatcaag tccttctgcc agcccgtgga ctacaggag acgtgcgaga aggcgctgga 360
 ggcggcggcc gggaacgcca ccagccccac ggagctggcc aaggccatct tcaaggtgac 420
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<210> 23603
 <211> 298
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-F2
 <400> 23603

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 tgacgcattc actacaaatg gcttatctgg gaagactacc atgttctcaa ggctaaatgt 180
 gctacattac cgatctgcat accatgctgt tctataacgg ggtattgtca ctacagtgc 240
 tacggatagt cagatggcta aagagtaacc gatttgatgc ttgaaagctc aatgtctg 298

<210> 23604
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-F3
 <400> 23604

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 naaaagcact ctaaattggg gcagaatnna agcatgcgtt cgagagcgcc ttaatnntga 120
 acnntgcgac aanntatgac ntnggcacn tnntttgctt tagngaacct atntcangnn 180
 tacttatntn nttcagaaat cangnaatct tgcangnntt gtgcnntgaa tacntnnttg 240
 aaaggctatn tnntattctc cattttatga aacnncttn nnaagcaagg gtatnngggc 300

agaatggann gcgtgctata cnnctctctgc tgagaatgac aaagtattcg acatcccgtg 360
g 361

<210> 23605
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F4

<400> 23605

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gccgtcatct tatccgtcct cttctgtgcc gcggttgcca ccgccgtcga caacgacctc 180
cccgactacg tcattccaggc ccgcgtctac tgcgacacct gccgcgccgg gttcgtgacc 240
aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc 300
ggcaagctcg agcgtccat cgacgggggtg accgacgcga acggcacgta cacgatac 357

<210> 23606
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F5

<400> 23606

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aggcaccggc agagtcaccg aaggcaggca gtcttgccaa ggcaccggcc gagtcaccga 180
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ccgct 245

<210> 23607
<211> 252
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-F7

<400> 23607

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atgtgttggt gcctgccggc ggccggcgctc ttctgggtgt ctatgacagt ctccaaggcg 180
ccgacgagcg ccttgaccct gctgcactgg cgcttctgca tcagcttggg gcgtgccgnc 240
tcgatcacgt cg 252

<210> 23608

<211> 366

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-F8

<400> 23608

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gggcgccaag aacctctaca tcctctccgt caagggcacc aagggccgcc tcaaccgcct 120
cccgtccgcc tgcgttggtg acatggtcat ggccaccgct aagaagggga agcccgacct 180
caggaagaag gtgatgccc cgtcatcgt ccgccagcgc aagccgtggc gccgcaagga 240
cgggtgtctac atgtacttcg aagataatgc tggagtgtat gtgaatccca aggggtgagat 300
gaaagggttc gctatcactg gacctatcgg caaggagtgt gctgatcttt ggcctangat 360
tgctag 366

<210> 23609

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F9

<400> 23609

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ccggcgcggt ggccgccctg ctgcggcggt ggccggacca ggacctgctg gaccggtcgg 180

ggtccgcgct ggcgcgcgcg gcggtggcgt tctccctgct ggcgttcctc gtcattggcct 240
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<210> 23610
 <211> 255
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G1

<400> 23610

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 aagttcgcca tccgctacgc gctctccggc aaggcctgga acaacatcaa caacaagacg 180
 gccttcacca accgcaccga ctacggcaag ggcgagcgag aggcgcagtg ggccacggca 240
 cagaggacgc tgcac 255

<210> 23611
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-G10

<400> 23611

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 ccgcctccac cggcagcctg ggcgacggtg gacggcccc tggggcttcc gctggaggac 180
 gcggagggcc acgcccgcg cttcttcatg tggggtttcg cgtgcctccc cttcctctgg 240
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 gccttcgccc ccatccgccc ctatgttgtg cggtcggcaa ttggcttcac catcttctcc 360
 gttgttctgg tcacctgggc cacgacctc gtcgtcngag gcgagccggt atttgggcca 420
 gtgtggaatg 430

<210> 23612
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-G11

<400> 23612

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actaggaatc tctgacgacg gcggcacgac acatgctcgc cgggccacct cgtccacgaa 180
cgcttgata tgcgcgtccg aggacccgcc gagcgccacg gcctcccgcg ccgccgcgct 240
ccacctcctg gcgttggcga gcatcgcgtc ggctcggggc cccgccacgg cggcgtctac 300
cgntccccgc acggcgtccc gccgcagcgg ccgcggaag cggaccccaa tctgagttc 360
cttcaccaag aacttggcgt cagtgcactg gtc 393

<210> 23613
<211> 125
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G12

<400> 23613

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tcac 125

<210> 23614
<211> 333
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-G2

<400> 23614

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agaatagtta ggtcccgtg gtcgatcgaa cgaagctgct gctgctaccg gccggccggg 120

catgacgatg acacggacga tgtgcctagg cctgctgctt ctactactgg cggcggcgtc 180
gacagcgacg gcgcatttca cggtcggcga tgtggatgag tacgtgtcca agcgcacgca 240
ggagtccccg cacaggaaca acggtggcgc gggcatcgat gacctcatct ncagtgcggc 300
gcgcttncac gccaacgtgg atgcacgcgc cta 333

<210> 23615
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-E4

<400> 23615

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cggcccactt tccgttccga tgcgaccgat ggcggcnnta ccgcccccaa tgggtncaat 120
cccacctggt cagctccctt tcgcggaac ctcgttccgg tccaaggccg gttctgttcg 180
acatnctgac gggaccctgt gcgaaactcg gatccccctc accaacgtcg ctttccaaga 240
gatgcttctc gagatcgggt acaacaatgg cgtgccgata gacgaggagt tcttcatcaa 300
gaacatcgct gggaggagtg acgtcgaaac tgcccagaac cttgtcccgg actgggagct 360
tgagaggggc tcanattnct agaggacaag gaagcaaaat acaggagtct ggca 414

<210> 23616
<211> 110
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C8

<400> 23616

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cggtttgcta tggttgtggc gttgtccttc ttggtgagcg gcgcatggtg 110

<210> 23617
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C9

<400> 23617

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gttttgccgg tcagggtctt cacgaagatc tgcattgctc ccctgaggcg cagcaccaag 120
tgagggggtgc tctccttctg gatgtttag tggcaagcg tgcgccgctc ctcaagctgc 180
ttcccagcaa agatgagccg ctgctggtct ggagggatgc cctccttgct ctggatcttg 240
gccttgacgt tgtcaatggt gtcagaggac ctgcgcggca tgctcaacat cgggttccag 300
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<210> 23618

<211> 217

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D1

<400> 23618

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gccggtcgtc gatcgaggaa ccaagctgct gctgctgcta ccggacgaca ccaaccatga 120
tacggaggac gacgggtgtc ctaggcctgc tgcttctact actggcggcg tcgactgcga 180
cggcacattt ctcgatcggc gaacgtgacg agtactt 217

<210> 23619

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D10

<400> 23619

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gtcgagcagt ccaagacgat cggcgaggct aatgccagcg actccatgac cgagagcgcg 180
cgggaggact gcaagaagct cctcaggac gccgttgacg acctcagggg catgctcgag 240
atggccggcg gcgacatcaa ggtgcttatt agccgggtccg acgacctcga gacatggctc 300

acgggcgctca tgacgttcat ggacacctgc atcgacggct tcgtcgacga gaagctcaaa 360
gccgacatgc acaccgtgct gcgcaacgcc accgagctca gcagcaacgc gc 412

<210> 23620
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D11

<400> 23620

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acatgccgcg gcacacgtcg ccgttccttt ttgccttggt ggcgtcggcg gcgaccctgc 120
tcagcgtcgg cgacgcgttg gtcgtcgacg gcctgcaggt ggggttctat ggcaagacgt 180
gcccggcggc cgaaggcgtc atcagcgaca tcgtcaacaa cgaaatcgct atggaccggg 240
gcatctcccc tggcctcatt cgcctcttct ttcacgactg cttcatcacg ggttgcgacg 300
cttccattct cctggacgag tcgcccggcg gcgacgtccc agagaaggag tcgtccgcca 360
acggcttcac cctggtcggg ctcagaacca tcgacatcgc caagtcacc gtagagggca 420
tgtgccccgg caaggtctcg tgcgc 445

<210> 23621
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D12

<400> 23621

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gcctgtacgt atagaagaaa gaaggaagaa ccgtcacgt acgtcctcgc cagtacaaat 120
aatggccctg ctcaaagccg cgcgcgtcgc cgatgtgcc accctggacg tgggtggtggc 180
ccccggcctg gtggcggttg ccaaggcgag gagcgccgcg gcggtgggcg gccggttctc 240
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ggaggtccgc gagaacacgg tccgtcctt caacgacgcc ggacgattcc ccgtcgacta 360
cgtcgagttc gacgtccaag tcaccaaagg acgggtgccc aatcatcttc catgacaact 420

tcatcttcac a

431

<210> 23622
<211> 263
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D2

<400> 23622

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cggccgcgga ttcgcgaccg agccttgggc cggcccgggc tctgggtcgc gggcgccgag 120
ggagggccgt ggtgggtcgc gcggggaatg ctctacctca agcagccggg cggcgccgac 180
gtagagtcc ggagggcggc ggcgggcggt gcggtgctgt gatctgccgc tgcggtggat 240
atatgcgaga ttgagccagc acg 263

<210> 23623
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D3

<400> 23623

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gagtctatct tgggtgtgct aaagatggga cgaaatctgc agtgaagaag cttgactcca 120
gcaaacagcc tgatcaagaa ttccttgtgc acgtttcagc tgtctcaagg ttgaaacatg 180
agaatgttgt ccaactcgtc ggatactgcg ccg 213

<210> 23624
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D4

<400> 23624

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tggggggatac ctacaagatg atgcttatta ataaatccta tatatatata ctatatttta 120

taattcctat tctctaatta ttgtataatc ttcaataata ttgttaatat ccaatcaccc 180
ctcatgatta cataagcatt tatgattgta taaccaaatt atataatttt catatactat 240
gcaattaaaa aatattaata attcattaat ttattataaa atatattaat tattttattaa 300
aattctatat tttta 315

<210> 23625
<211> 193
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-018-Q1-K1-D5
<400> 23625

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gggggcatcc agcaatggca agacagacag cactacatct ttgcaggatg catgggcatc 120
ggcgtgcagc agcactggaa agcagacgat gctcatatcc agaggtgact tcattgtagg 180
acaactcaat ttc 193

<210> 23626
<211> 248
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-018-Q1-K1-D6
<400> 23626

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tcggcggcac cgtggacttc atcttcggcg acgcggcggc ggtgttccag aactggattc 120
tggtgctgcg ccggccgatg gacaaccagc agaacatcgc gaccgcgcaa ggccgcgcgg 180
acgcgcgcga agccacgggg ttcgtgctcc agaagtgcga gttccaggcc gaggccgcgc 240
ttcgggac 248

<210> 23627
<211> 221
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-018-Q1-K1-D7

<400> 23627

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cgtcatcatc aggttgcttg agcactcgag cctctcagag caaattaaat ctaaccgtcg 120

tcgtgtcatc cgggtatatt taccttgtag atcgtctttt catattgctt ggtgtgtcag 180

tgttaccgat ggaggcataa cataaatgat ccatgaattc c 221

<210> 23628

<211> 243

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D8

<400> 23628

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gtgatacctg cagcagcaag ctaattaagt tggccgatat atatataata tataatggaa 120

gccctgggct ttgattattg gggaagcccc aaccagaatg cggataggcc accaccccg 180

atgattacgt tagcatttat gctggtataa ccaaattata taattttcat atactatgca 240

atg 243

<210> 23629

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D9

<400> 23629

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gcatttttca gtgcagctgc aaatgctggg ggcaattctg ctgtagctgt tgcaaggcaa 180

ccaattcaac tttttgggtg tactccggtg gctacacatg cagctactag tatcactaca 240

atacaatcgc caggcttgca ttatttgctt ccttcacaag cctcatcggt ttctgggatg 300

cctgctgatg ctcatgggtc tataggaagg tccacaaacc ttgtaaatcc atcacttttc 360

tcaccattga cgtcttcaca gacaacaatg gtgtgcacta attctgtagt a 411

<210> 23630
<211> 123
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E1

<400> 23630

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cgacagggtc cacacacacg cgtcgagcgt ggtcggacct cgggcggggc gggagccatg 120
acc 123
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<210> 23631
<211> 480
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E10

<400> 23631

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gcatttatca aggaggtgta tggaagggtta gagtagaatt gccagacgca tacccttaca 180
aatccccatc gatttggttc atcaataaga tatatcacc aaatgtcgat gaaatgtctg 240
gttcagtctg tttggatgtc atcaaccaga cttggagccc aatgtttgat cttgtcaatg 300
tgttcgaggt cttccttcca caacttctgt tatatcctaa tccttctgat ccattaaatg 360
gagatgcagc tgcgttgatg atgcgtgatc gccctgctta tgaacaaata gtgaaagagt 420
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<210> 23632
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E11

<400> 23632

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 cgttagattt attgagttta tgccatttga tggtaatgtt tggaatgtga agaagctagt 240
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 agatcacccc acagacactg caaagaattt caggattgat ggacatgttg gcactatttc 360
 atttattaca tcaatgacag agcatttttg tgctggcttg catagattac ggttattggc 420
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<210> 23633

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C7

<400> 23633

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 ccgaggcacc ggcagagtca ccgaaggcag gcagtctcgc caaggcaccg gccgagtcac 180
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<210> 23634

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E12

<400> 23634

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 cttgacgggc agggcccagc cgtgtggagc aagaactcct gcaccaagaa gtacgactgc 180
 aagatccttc ccaactcgct ggtgatggac ttcgtgaaca acggggaggt gtccgggggc 240
 acgctgctca actccaagtt cttccacatg aacatgtacc ggtgcaagga catgctgatc 300
 aaggacgtga ccgtgacggc gcccggtgac agccccaaca cggatggcat ccacatgggc 360

gactcatccg ggatcacgat caccaacacc gtcattggcg tcggtgacga ct 412

<210> 23635

<211> 333

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E2

<400> 23635

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ttcgaccatt ttgctgtagc gtgaattgca tgcattggaca tgcaacgctc caatggcctt 180

tggaatgtgg aatttttttc cccattttct gtatttttcc tataaaaaat gaactgggtc 240

ttatataatt cctctcaaaa aanaaaaaan nnnnnnaaaa naaaaaaaaa aaaaaaaaaa 300

ccaaaaaaaa aaaaaaaaaa aaaaaaagg ggg 333

<210> 23636

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E3

<400> 23636

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gcctgggtct ccgtcctcta gcgaccgacc aacgcgccga gcgaagatgt cgtggcagac 120

gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcacgt cggcggccat 180

cgtcggccac gaaggcgcca actggggcta aagcaccggg gtccccgagt tcaagcccca 240

agagaatgct ggcatcatga aagatttcga cgagcccggg caacttggcc cgaccgggct 300

gacctggga gggaccaagt acatgggcat tcaaggggaa cctggagctg tcattcgtgg 360

caagaaagga tcccggggca ttactgtgaa gaaaacaggg cagtcactca tcattggcat 420

ttacgacgag cccatgactt ccgggca 447

<210> 23637

<211> 347

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A8

 <400> 23637

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 ggctgctcat ctgccacctc gccaccaccg cctccgcgg caagaacaga atccgcatcc 180
 tcgacagcgt cgacgactcg gccggggaca acaacagctc cgacgcctcg gccggggaca 240
 acagcaccga ctccgagtcg gaaggccgcg tcgtctattc cgacatgaag ctggctgatg 300
 agactggatc tgcgccggct ccggcaacgg cgccggggcc gacgacc 347

<210> 23638
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A9

 <400> 23638

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 aggggatgct gtcgtatgat aagttgctca gctgcaaggt gctgggcaac tgcgacaaga 180
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<210> 23639
 <211> 476
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B12

 <400> 23639

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 ccgcgtccga ggacgagatc acggagcccg gcgcgctgtc catggccttc atacgcaacg 120
 tggaggcgga ggtgatgagg ctggagaacc tcaaggagtg ccggatgaga gaactcgtcg 180
 tgaagaagca cgaggagctc aaggagatcc gccgccgcgc gcgtctgccc gaggacgaca 240
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 ggctggaatt gcagatctcc aaggccaagg acctggagtt cagccggaag gacgtgctgg 360
 agaagatgga caggtggcag gcggcgctgg aggaggagtc ctggctcgag gactacagca 420
 gaaacgagaa cagatacaac accggcaaag ggacgcacct cgtgctcaag cgagcg 476

<210> 23640
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B2

 <400> 23640

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 acaaatcata gatacctgca gcaagttatc taatggagct tgcagccatc gactggttta 180
 aggacaccaa acgtatggat aacgttgcta tgcacaacgg ttgtgttgct caggctgctg 240
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<210> 23641
 <211> 231
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B4

 <400> 23641

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 gaatcggttc agccggaggt aggtccagc ggccggaaga gcaccgcaca tcgcgcggag 180
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<210> 23642
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B6

 <400> 23642

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 aggttcctga taagaggtgg tactggctta aaacgtgcgc tttagccaca gttggaaact 180
 gggatggttt ggaaaaattt caggggagaa aaggccaccg ggaggctata aaccttttgt 240
 ggaagcatgc atggatcctg gtcaaaaaaa tga 273

<210> 23643
 <211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B7

 <400> 23643

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 cgcgtcgagg tgaaggctgt tgccgaaata atcatatcac gccatttgag cacaagagga 180
 gtaaaaccag aagctctcgc agcacttgca gaggtttgca gtatgc 226

<210> 23644
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B8

 <400> 23644

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 tgtcctctct gaaagctgga tacccttctt ttctgggacc ctcgacactc tccagtcagg 180

aacatgtgct tgtggacaac actgtgaaga atgacggacc ttcaaaactc cgaggttttc 240
tcaaacgatt ggtgggaaag aaggcatctg ccaaggcttc tcaggagagc a 291

<210> 23645
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-B9

<400> 23645

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tgcggtgctc attggcttct cccttttctt ctgcgccgtc tacgcgactt ctatcaaggt 180
tctgaatttc cagagaagat gaccagctgc ctgagctaag taagcctccg tggtttgctt 240
ttgctactgt gtggtgcca catcaaagtc tacttgctag ctactcggcg gatgccgat 300
ggatgaagca cccgttggtc gtaggattga agttttcaca cgtagagagg atggtagata 360
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gcatttgtgc tgtacgtaag a 441

<210> 23646
<211> 273
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C1

<400> 23646

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gttctcctg gtctcttct gcatcgtgca tggtgagaag gaagagtcaa agggcatcga 120
tgcgaaagcg tccgggcctg gtgggtcctt cgacatcacc aagttgggcg ccttcggcaa 180
tggcaagaca gacagcacga aggctgtgca ggaggcatgg gcatcggcgt gcggcgccac 240
tgggaagcag acaatcctca tacccaaggg tga 273

<210> 23647
<211> 484

<212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-C10

<400> 23647

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 agggcgaccg aaggcggcga tgggtttcat catggacttc gcggagaatc tgatcctccg 120
 tctgatggag gacccggaca agcgcgacca ggttcggcgg gagcatgtct acaagatgaa 180
 ggagcgggtgc gagegcacta aggcggcgtg gagcctccct ctgcgccctt acggcttctg 240
 gaccttcgac cgcttcaact cgcagctctc ctgggatccc cagatcagcc aggcgcgccg 300
 ccgtcgggac cctacgacg acctcatcgc ccgccactct ggctcgcgcg cgtcttctctg 360
 aacaccggtt ccgatctttg ccagaaggt ctacttgggc atcaataaga aactctttcc 420
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 tatt 484

<210> 23648
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C11

<400> 23648

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 ccgacgacca ctactcctct aagaggaagt acgacgaccc ctgcgcccg ccgcggcgca 120
 cgggggttctc ttggggcccg ccgctgect cgccgctcgc gggcgggcgc ccgtcgtaca 180
 acagcgtgcc accgcccccc gatgagatec agctcgcgaa gcagcgcgcg caggagatcg 240
 cggcgcggat ctttaacgcc gcagaggcca agcgtcctcg cgtcgacaac ggcgacgatg 300
 acagcggcgg cttcgggtgta ggcctgggca gcaactgggtg cgggtggcgc atcggcggcg 360
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 cttctcacag cagc 434

<210> 23649

<211> 422
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-C12

<400> 23649

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cgaggtgggc atgaccgtgg ccgcgttcgc gcaccacgag cccaacgcca tcaaggacga  180
cgacgtcctg tacaagtgca tcgacacctg ctccgaggac atcgaggagg ccgtggcgca  240
cctcagcgcc ctctcccgcg acttctccga cgccagggtt ctcgagggtca agtcctgggt  300
cacctccacg ctcgggcgga ccgncacctg cgaggacgcc tgcaaggacg cccccgtcag  360
cgacatcaag aacgtctgca taaccaagag cttcgagttc gagaagctgc tgcgcgtcac  420
gc                                                                 422
  
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<210> 23650
 <211> 304
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C2

<400> 23650

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caggcttgtg tcccaggtca tctcatccct tactgcttcc ctgaggttcg atggtgctct  120
gaacgtggat gttaacgagt tccagaccaa cctggtaccc taccgagga tccacttcat  180
gctttcttcg tacgtccag tcattctctg tgagaaggcc taccacgagc agctctctgt  240
ggctgagatc accaacagtg ctttcgagcc atcttccatg atggccaaat gcgacccacg  300
ccat                                                                 304
  
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<210> 23651
 <211> 251
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C3

<400> 23651

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cgccaggtgc aaggccaact ctgaggctac cctcggcacc tacaaggggtg atgctgccga 180
cgacaccgag agccgtcacg tcaaggacta caagtactga gctgcttctc tttgctgccc 240
cgttttggaa c 251

<210> 23652

<211> 287

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A5

<400> 23652

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catgtcggcc tactgcggaa agtacaagga tgagctcatc aagaatgctg cctacattgg 120
caccctggc aagggtatcc ttgctgctga tgagtccact ggcaccattg gcaagcgcct 180
ttccagcatc aatgtcgaga acgttgaaga gaaccgccgt gccctccgtg agctcctatt 240
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<210> 23653

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C4

<400> 23653

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actacgggac atcagccgac acgcatcaag tcgggagatc ggagccgtct tactggacct 120
agagggcggg ttctttgggg gcagcagctg cacacttgag ctcatgacag tcgttcacgc 180
tggtgccgga agtgcataag gtcaagatgt cacacaggag ctgcatgatc agagtgc 237

<210> 23654

<211> 275

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C5

<400> 23654

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 cggtcgcggc gcttacccca cccgccctgc tcccgcgccg tagtagtagc agagcctcgc 120
 cgacgctgcc gagaatagat ggggttcgtg tccttcgtcg ggcgggtgct cttegtcgcc 180
 gctttcctcc tctccgacta ccaggagttt aatgaatttg gcgctgatgg tgggccatca 240
 gctaaagccc ttcagcccaa ggtcaagggg gttgg 275

<210> 23655
 <211> 373
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-H10

<400> 23655

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 gtggcgccgc tggcctccgc cgacggcgtg aagtcgcgtc ccatccccgg cgccaaggag 180
 gccgccagcg gcgccaagat gttcgacagg gagggcgacg ccggtcacga cccggtcagc 240
 ggctgcccgg ccgacccggc gcccgacgcg cgcccctaag gctacgcacc gtcgtcgttg 300
 tcgtcaccgn cgtcgccgtt ccgaccggtt tccgctgaac accacgcgcc ttgtacgtgt 360
 gcttgtgatg ttc 373

<210> 23656
 <211> 443
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23656

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ccgtcgtcta cttaccacca ccaccgcagg atccagatgg aaatgtagag tatectcttc 180
gacgtcctac tegtcatctc cgtctcggtc accttagagc tggcctacac cgatgccgcc 240
ctcttatgct ctacatctgc atacgagtca ttctcgatgc tccacttgac actcctcttg 300
ctct 304

<210> 23659
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H3

<400> 23659

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tgggtctgtgt ctctctattg ggcacgactg ggctaccgcc gccacaggcg ccctacgcca 120
ggtgtccagg tctcggggccc ttctccggca ccgagcaccc accagcggaa tataccatgg 180
aggtcaggcc catggtagct ctgctgtccg ccctagttgg tggggtagcg gcatttgcca 240
agatcgggtg ggcgatgaaa gccgcaggcg gtgtcaagat tgggtgcagcc gctgcagccg 300
tcacggctgc aacatcagct gccatatcgg gaaaagacgc ataagaagac acttcaaagc 360
cggaaacgaa atgatatgac ccatggattg gtcgacaagt atgaaatcgc ctctccagag 420
gtgtagaaga gagaggggtgc catagtcaat aagttacagg agtaaatttt gat 473

<210> 23660
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H5

<400> 23660

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gtcgtgcatg gtgagaaggc aaagtcaaag gacaacgatg caaaagcgtc cggggcccggt 180
gggtccttcg acatcaccaa gttgggcgcc tccggcaatg gcaagacgga tagcacgaag 240
gctgtgcagg aggcgtgggc atcagcgtgc ggcggcaccg ggaagcagac gatcctcata 300

cccaagggcg acttactcgt cggaccactc aacttcacag gcccatgcaa gggcgacgtg 360
 accatccagg tgaatggcaa tctgctggcg accacggacc taagccagta caaggatcat 420
 ggtaattgga tcgagattct acgcgtggac aaccttgtca tcaccggcaa 470

<210> 23661
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H6

<400> 23661

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 gtatcgaaac ctgttgctgg ggtcccagct gcttggttg aacaatgatt ccatcgacgt 180
 cgcgagagtc cctttcggaa taacagatgg gaagacatag ggtaaatata gcaaagcgaa 240
 gcgagcatgt aggccacagt agtcagtctg ttgttccgaa agatgtgtat atatgtatta 300
 gcagcatgat tgttctgatt atctttttac tgattttcga tggtaggtct gttccatcaa 360
 gtatttaact aatcatttgt tgctgttggg ataggtcttt tgttctttta gccgtcgttt 420
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<210> 23662
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H7

<400> 23662

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 taaaagctta tgcgcccttg acgattgtat gtgatggctg cttttcaaat ctacggcgtg 240
 ccctttgctc tccaaaagtt gatgttccat catgttttgt tgggctggta ttggagaatt 300
 gccaaacttc acatccaaac catggccatg ttatcttggc caatccttcg ccaatcctat 360

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<210> 23663
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H8

<400> 23663

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 ggatcagacc gggctctttc gtctgtact tggctcttctt cttcctgtcc gcagccctgt 240
 cggaggccaa tatcgggcagc ttcatgaat actggcagca gcgcaagctc atggccgacg 300
 ccgcggctga ggccacgtac aagcatgacc cggctcagggt cgccaaccaa ctttaaccgtg 360
 cagtccacag atccgtcgag aaggaggaca ttggcacgag gcgggagatg atggggacga 420
 cgactaggaa gtctaagttc agcggggccgt gcaaggcg 458

<210> 23664
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H9

<400> 23664

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 ataacaaatt ggacgatata tgagaacaag tttgcagcac tcttgactct agttatgatc 180
 attctcatca acttagctgt tgggatcctt ccacatgttg acaacttcgc tcaccttgga 240
 ggatttatgt cagggttctg tcttggtttt gtgctgctaa tgcgaccaca gtttggatat 300
 attaaccaaa agaactctcc tcttgattt cccatgggag taactaaacg gaagttcaag 360
 acatatcaag tcatactttt ggttatttct acaatgatac 400

<210> 23665
 <211> 224
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A1

<400> 23665

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cgtttgctcc tgtctttctg tcggcggtcg tggcctggct ggagctggca gtcaccgggc 180
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<210> 23666
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A11

<400> 23666

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ggagattgct gacattatgc tgaaagaagt gtttgacagg ctgaaggcca aggagattaa 180
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tggtgccaga cttttgcggc gtgctatcat gaggcttctg gaggatagtc tggcagagaa 300
gatgctggct ggtgaggtga aagaaggtga ctctgccatc gttgatgtgg attcagatgg 360
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<210> 23667
 <211> 456
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-A12

<400> 23667

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gaccggcacc ctcaccctca acaagctcac cgtcgacaag accctcatcg aggtgtgcgg 180

caagggcgtc gacaaggaca tgggtgctcct ctacgcgcgc agggcctccc gcgtcgagaa 240

ccaggacgcc atcgacacct gcatcgtcgg catgctcgcc gacccaagg agggccgcgc 300

cggcatcaag gaggtccact tctccccctt caaccgggtg gagaagcgca cggncatcac 360

ctacatcgac ggcaacggcg actggcacag ggtcagcaag ggcgcccccg agcagatcat 420

cgagctgtgc ccgatgagca aggatgccga gaagaa 456

<210> 23668

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A2

<400> 23668

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caactcagag agcatcaccg tgaaggacgt gaacatcacc gcgcccgcgc acgttgagaa 180

cacggacggc gtccacgtcg gaggtccttc caagatcagc atcctcaact cgaccatcgg 240

caccggcgac gactgcgtct cgattggggc cgggtgcaac ggcgtcttgg tggacagcat 300

cacctgcggc cccgggcagg gcatcagcgt 330

<210> 23669

<211> 141

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A3

<400> 23669

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ctgcgaggca gcttttcatc t

141

<210> 23670

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A4

<400> 23670

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cagatcagtc tactagtctg tatttcatgg gtcagtacag ttcttaccaa gcaatttgat 180

ctggaaaacc tgtcttcgaa ggaaatgcac gtgctttcta tggtaggctg cacctaactg 240

tagctggaca actgatacac tagctcgctg cagcctgcct caccagaac attgtctgct 300

ttgtgaccag ctagaggaga acactaatta cattatatta tcatgtgact ttgcacgaca 360

atttttgcac caccttttgg gcattggcgg gg 392

<210> 23671

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G9

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gccacgatgg aggcgatcgg gaacgggttc ctgatgcgcg ggatcggcgt gaagaacacg 180

gcgggagcca agaaccacca ggcggtggcg ctgcgggtgc agagcgacat gtcggcggtc 240

tacgagtgcc ggttcgacgg gtaccaggac acgctgtaca cgcacacgag ccgtcagtac 300

taccgcgact gcgtcatcac gggcaccatc gacttcatct tcggcaacgc gcatgtggtg 360

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<210> 23672

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F4

<400> 23672

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gaatagtgtg catggtggac atatagtgca gcaccatatt ggctatggga tgatatcaga 120
tgcacgaccc tgtctagatg atgcaaccac gacatgagac atggcttttag gaacctctc 180
catgcaggga agaggaatca ccatctccat tgattgagga tcaactcgga ttagtactgg 240
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ggaaccaat ggtcatgccc taaggagggg acctaagaag actctagggg tggtgattaa 360
tgtgtgtgtg ttcatgatct cagtaggggt caatgttgcc gcaacgtagg ttcacaactc 420
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<210> 23673

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F6

<400> 23673

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tcgccgttcg cggagctcgt caagggcccc tccggcctcg agaaggctcgt gtttcgcggc 180
gctcgcaact gctgtgccga gatttatctt tatggaggtc aagtaacatc atggaagaat 240
gacaatgggg aagacttgct tttcctcagc agcaaggcta ttttcaaacc tccaaaagct 300
attcgtggtg gtataaccaat ctgctttccc caatttggat cacatggaaa tcttgaacaa 360
catggattcg ctaggaaccg gttttggact attgacaaca atccaccttc tttaccatta 420
aaccctgcta ttaaagcctt tgttgatctg attct 455

<210> 23674

<211> 455

<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-F7

<400> 23674

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ggactcagaa ttggggacag ccacgcagtt acatttttgt tttcctttcc tttctcagtt 120
acatatttgt aatccaggtg aagaggattt gtggtttagt gccagccagt ctgcggtcgt 180
cgacgatgtg ctattactga tcgtcgtcgt cgtccgagtc caactgcttg agcagcgagg 240
cgcatatggg cagcggcacg tccttgaagt agccgagcgg gttggcgggg cgcaggttgt 300
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ggtcgcagtc cttgcgcggg ctctccacca agaccacctc gcagatgtcc tntcgtggc 420
tgtccttgag ctgatcgtg tacgttgccg tcgag 455
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<210> 23675
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-F8

<400> 23675

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tataccctct ttaggtcaag aggggtggagt tctccttatt cggaggaaga gctccatcct 180
cattctacaa gaccaaacca ataaatggcc tctagccac agtcctcgcc atcatcctcc 240
aagaagtcgc cgccaccaca agaagcatca gctttggcgc caaaatcatc ttcaaagtca 300
ccctcgccac caaagggtga atcaaattca tctcccagtc ccccatcgaa atcgctccctg 360
tcaccaccgc cagcaccaaa gaaaagtgt agtacatcta gctctaaaga tgggaagacg 420
aagaagtcgt cttcatcgtc ttcacgtcgc gataatacag ncgctgtgat ca 472
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<210> 23676
 <211> 349
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F9

<400> 23676

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ctgaccctac tgctaacgac aggtcctaca agtgccatca tcgccgacgt gatcgcgtca 180
tctgacaatt tgatcagctg caaggctactg cgcaacttcg acaagtacta ttgccccgag 240
gccatctccc cagggaaacc cttcaactac tacacccgcg gcttctaccc gatcatcagc 300
tgtcaccgct gatcatatat ctcttgtaa tgtgcgctca aatgtaatg 349

<210> 23677

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G1

<400> 23677

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tcgggatctg aggacgagcc catgaccctt ggacagtgcg acatggtggt tgagaggctc 120
ggtgactacc ttttatagca aggcctgtga ttgaatgcg ccgaacaacg acaccaactc 180
taacattaat taattagtag tcttcatgcc ctgggattgt gcgtggacgc tactgttaca 240
ccacccatgc ttgatcggc attttttcct cttgtatat atcattctat tgtatcgtgt 300
tcacatataa tcttgtgatt cgattcctga gc 332

<210> 23678

<211> 187

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G11

<400> 23678

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aaaaatgtaa aaattataaa ggataaaaaa attaaaaaaa aataaataaa aaataataaa 120
taaaaatata aaataactta aataaaatta aataaaacat aattttacaa ttttctttac 180

tttaaaa

187

<210> 23679

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G12

<400> 23679

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gccttggtat tcagctggcg cagcttggga aggatgcac tgcagcagca gctgcacgta 180

gagttagtgg tcaacgaaag gcggtcgagg ttgagtctgt tgcaactgct ggtaaacaag 240

agactcgaga agtagtgaag aagttattcc gtgctgagtt tgtcgagagg caacatcaag 300

gtttagatga ggataccgat ttgagagctt tggagaatgg atttgtatcg gtcacccctc 360

tgaatgttca tgggcaagtg gagcctgaaa tccaagcccc agcttcagaa tggctctcag 420

cagctgtatc actagagaaa gaaaaggaag 450

<210> 23680

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G2

<400> 23680

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acactaacc ttactacttt aactccctaa ctttctctc cccacacaag ctaacaaaat 180

cacctattgc tatcttgcac tctaacttat aaacattcat tcataatcct acacacatat 240

aacttcacac cactcacttt tcaaccaatc tctatgacca attctgtcaa tcaacaattc 300

ctctcactac aggttcaatt actatcgcat acacattcat caatataccta aaactaacct 360

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<210> 23681

<211> 462
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-G3

 <400> 23681

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ccggacctcg ggctcgacat ggggttcatg ctcgctgcgc agccgcgtcc gggggacgag 180
aagccggacc tggcgaactg gatgcggtgc ttctgtgcgc agcgtctgtc tcagcccgcc 240
gcggcgggcg aggagaccgc gaacgcggag ggtaaggccg ccgggagacg agaggaagag 300
gagggtggcg gggaatgacg ctgaccacct cgctgtcatg gtgaacgggc tgtacgggag 360
ttctgcggat tggaagtttg cagcagagca gtttgtcaag agattggccg gaaaagtcta 420
cgtgcatcgt antcagagca attattcaca aataacatat ga 462
  
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<210> 23682
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-G4

 <400> 23682

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tttttctcac ccccataat acatactccc ttactagcc tgtactctta actaaaagca 180
ttcactcata atcattgcac accgctacat tagcaccact aacttcttaa taccatcact 240
ataccctttc ataatacacc gaccattct actactctaa ttaacatccc ttctcctttc 300
atcagtagtg caaaactaac ctctctcact acaatataaa cccatctcaa acaccctata 360
ttgttaccaa ccattcacca ct 382
  
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<210> 23683
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G5

<400> 23683

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ggcctcatct tgctgggtgt tatggcagtc gccaaactttg tccacactat tgagacactg 120
ctactgaaac tgaggattaa agcacagatg aagaaagcga acagcacaca ctatcgcccg 180
catcaaaatt gacaggcatc atcgtccttg gaaaacaagg atgctgacac cgcctctatt 240
gtaaatactt tcacccacat taacattttat tgcttgcctg acattctctg tctctaattt 300
tttcgtgaat tcgacctgct acatagaagt agatattcca cacaacatgg cggatgaaac 360
catatttaat ctttcttcga tcactactgc atgagcaatg tactatatat ctactctgat 420
gaaa 424

<210> 23684

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G7

<400> 23684

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ctatcattaa caacatgata cagtatcatc cagtaactac ttttaactttg tttttccttt 120
tgcttttata atttacaaca gcaataaatg aataaatggt gtttaatttg tgccaggagt 180
ccagcagtca attggctatg ggggcaactt ttggggcaga agcctctact gaagaggat 240
tacctaaact atgtcagaga catcttctaa atgcttaaca tatggactga aaacttttta 300
attctctaaa gagatttatg aaaccatctt aattgggttaa atctatcctg agaaattat 359

<210> 23685

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G8

<400> 23685

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gcctcgtcaa caaagccact ggagaggctc tcaagcattc ccttggccag tcacaccctg 120
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 gggagtgggtg cgagggagac aaccagcgtt ggaagattgt tccctggtga acaaggaaat 360
 gtgtgaccga gcccgcacca aggaagagct cctgccgtaa taagtgaagt gattggtact 420
 gaagtttctg 430

<210> 23686
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F3

<400> 23686

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 aaggatggcg tagtcaagaa gctttatgaa gctaaggctt gggagaagcc atgggagaa 360
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<210> 23687
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D8

<400> 23687

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 accctccatc tactgacca tctctctagt tataatatat ctctctttct tttattgcat 180

attatTTTTct atccatttct tacgctcaac tttttatcta cttacatcca acatctatat 240
tatgttctac tgtttaacat cctttatttt 270

<210> 23688
<211> 204
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D9

<400> 23688

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tcggtgtggt cgccaagcgc acccccttcg gcaagaatgc ccgcgaccac ttcacggtec 120
cgggggaggc tttccttgcc acgttcggca agtcgggtcaa gttcctgtgc gcgcccaccc 180
tatacaagga gtcctgccag aaga 204

<210> 23689
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E1

<400> 23689

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cagcccaacc agacgacgga gctggacctt ttccaagacc tgcagttgcc tcaggccggg 180
gcgcagagca caaaccatt ctctgatgag agcgttcagg gatacccaca gtacatgaac 240
gggccaacg gcgacaacgc acagccaggc caggacttcc aacagcagtc tctgaagcta 300
ccggcggcga gcccgtaga caatttcta agggcttctg gctgttagga gtccagttac 360
atggacgaca accaccttac ctcaagatag tcccaacgga agatcctgca atttttccac 420
attttgcagg gaaa 434

<210> 23690
<211> 416
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-E11

<400> 23690

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cggcgccggc cgccgcgaac ggcggcgagg gggcggttcag caactgggtg gcgatgaacc 180
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agggcgacta caccaacatc accgcggcgc tggaggatat cccggtgagc aacaccaaac 360
gcgtgatcct ggacctcaag cccggcgctc aggtccgga gaagctgntc cctgac 416

<210> 23691
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E12

<400> 23691

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ttccttgctg gacaactcaa cttcacaggc ccttgcaagg ggcacgtgac catccagggtg 180
gatggcaatc tgctggcgac cacggaccta agccagtaca aggaacatgg taattggatc 240
gagattctac gcgtggataa cctggtcac accggcaagg gaaaccttga cgggcagggc 300
ccagccgtgt ggagcaagaa ctctgcacc aagaagtacg actgcaagat cctttccaac 360
tcgcttgatg tggacttcgt 380

<210> 23692
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E2

<400> 23692

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 ctctgcggc ctgggaagca tgatgaggct gtcggcccgg acggatcgct ggcgctgcac 240
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 ggaaaccccg gacgcgtctg ccttcattct ctccttcggc cgcctttgct tggcgcctt 360
 tcgtttgagg taccttcttc atgcggcctt tattaagcaa gaggc 405

<210> 23693
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E3

<400> 23693

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 gcgcaaaactc caaccagagc aacatgctga tcctccagga gagctgcacg gacgcatcgg 180
 gtcatacgt ggtgtacgcg ccggtggatg tgggtggccat gaacgtgggtg ctcaatggcg 240
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 cggcgcgggg catggctccc catcacggag gaaagggtgc tgcc 344

<210> 23694
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E4

<400> 23694

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 actggaaaag gcaaatgcat ccattaggag cagaactctc atgaacaagc ttgttctgcc 180
 ttacttttg gttgaacttg tgataaccaa cccaaactgc caaaaaatct ggtgttgcta 240

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 tgtatagata tgctacctac attttctttc tgtggtcata tgatatgttg acaaggtcac 360
 agatatactc tcagtatatg atgacgcttc tatgaatcta tatgcttcaa aatcatcaaa 420
 aaggaaaagc tgcaggggga tgccaactcc acagtacaca tact 464

<210> 23695

<211> 215

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E5

<400> 23695

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 gagtacacat acaaacacgc atcctaaaaa aaaattaaaa aataataaaa aaaaaaaaaac 120
 aaacaataaa acaaaaccac aaaaattatc tatcaagaaa aattaaaaaa cacatttaaa 180
 attaaaaaat atttaaacca acacaataaa aatat 215

<210> 23696

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-E7

<400> 23696

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 tctctagatg ggagcacaaa agttatgggt tggcaactgc cgggctcatc tctagagggc 180
 agtgcaaaag tttcagggtg gaaaccacca gtcttatcac ttgaagggat tgctaattgt 240
 tcaggttcac aagcatcgtg tccttctacg caaaggggca caaaatcttc aggttggcag 300
 cgatcaagtt catccccgga tgggagcaga aaagcctcag gttggcaaca gtcaagtaca 360
 tcaccagagg ggagtggaaa agcgcacggc tggcaacgat caggatcttt taccagggg 420
 ggtacaaagg ctgcangtcg gcaaccctct cgttcctgta cagatcg 467

<210> 23697
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-E8

 <400> 23697

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 gactgattgg taggcctctt gaaagtgcag ntgggtgaggg gcatcaacct tggctaccgg 180
 gacgcatgag gcagcgatgc gtatgtcgtc ctacgacttg gcaagactaa acttacgacg 240
 agcgtgaaca tgagatctgt gaaccacatc tggcgcgacg agcttactct gaccgtcaca 300
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 ccgatgggtg actcatagat cgacgttgca cccttggttg 400

<210> 23698
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-E9

 <400> 23698

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 ttgtcgtgtt ctattagggc gataattgct cttatttccc atccttaacc acacagccca 120
 cttaactatc attcatgcaa tcttcttcgg tcaggtgaca tcagaggcta tctatcaatg 180
 gacctcatct atacaacgct ggctgacatg ccaaataaag gtcaaatacta taacatttgc 240
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 tcaactctct cattcttctt tact 324

<210> 23699
 <211> 470
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-F1

<400> 23699

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tgccgatgag aaactggcca atcttgcaga agacaagaat cggcgacttt cagatgcaag 120

ccagttaaga acaggttcaa acccaatggt tgatgttgag ctaacaaatt tcgatgagaa 180

actggccaat cttgcagaag gcaagaatca gcgactttca gatgcaagcc agttaagaac 240

aggttcaaac ccaatgggtg atgttgagct aacaaatttc gatgagaaac tggccaatct 300

tgcagaagac aagaatcagc gactttcaga tgcaaaccag ttaagaacag ggaggcttgg 360

tgaagaactg gtcgagaaat atttggccaa acagctaggt tccaacaatg ttaggtgggt 420

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<210> 23700

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F10

<400> 23700

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cgtagacttg taaaagctgc cgactcagtt tcggtatgcc tatctaaagg gttaggcgca 120

cccatcggat cagttgttgt tggttcagag gccttcacgc acaaggctag aattccttagg 180

aagaccctag gcggtgggat gagacaggtt ggagttcttt gtgccgctgc ttatgttgct 240

gttcgtgaca ccgtgggaaa gcttgccgat gatcacagga aggctaaagc cttggcagag 300

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ttcttcgata tcggggatcc acaca 385

<210> 23701

<211> 152

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-F11

<400> 23701

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gcctttaccg cgacgtcaag gagtgcagcg at 152

<210> 23702
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F12

<400> 23702

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cgatggactt cggtgccccg gcggatgacc ccaaggcttt ccgcaacatc tgccgcgacc 180
ggatactgaa ggacctgctt aagcctgaca aggataagga gacaaaaagc tcatggaagg 240
ttcttataat ggacaaattc acggtgaaga tcatggctta tgcttgtaag atggcggaaa 300
ttaccgatgc agggatttcg cttgtagaag atctgttcaa gagaaaggag ccaatgcctt 360
caatggatgc aatctacttt cttcaggcac ttgaagaaaa tgtcataatg cttctatctg 420
acatgctc 427

<210> 23703
<211> 242
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F2

<400> 23703

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gtattagaaa aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa caaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaagacaaaa aaaaaaacia aaaaaaacat 180
aaaacacgcc aagcaaaaaa aaaacaaaac actaaatatt aaaaaaacac aaaccattta 240
aa 242

<210> 23704
<211> 410

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D6

<400> 23704

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 acatccaaca acaacatcgt catcaatgtc ttcaacatgc tcgaccagcc gtcctctctc 180
 acctggcacg ggatccagca gaggaagaac tcatggcagg acggcatgct gggcaccatg 240
 tgccaatcc agccaacac caacttcacg taccactggc agccaagga ccagatcggc 300
 agtttcttct attacccag caccggcatg cagcggggcg ctggcgccta ctggctcatc 360
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<210> 23705
 <211> 80
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C11

<400> 23705

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 acatgggggt ctgagtttag 80

<210> 23706
 <211> 476
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-C12

<400> 23706

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 ggcttcgctg aagccgaacc cgttcgactc ggactcggac tcggagtcca gcaataagcc 180
 ggcgaacaag tccggggcgt cgctgtacca ggcccccgcc gacgccaaga agcggtaaa 240

ggacgggttc cgggactcgg gcgggctgga gaaccagtcg gtgcaggagc tggagcacta 300
 cgcggcgtac aaggccgagg agacgacgga cgcgctcgcc ggctgcctgc gcatcgccga 360
 ggacatcagg caggacgcca gcgacacgct gatcacgctg cacaagcang gggagcagat 420
 cagccggacg cacgagaagg gccgtcagat cgaccaggac ctcgncaaga gcgaga 476

<210> 23707

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C4

<400> 23707

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 ggcgagggcg cacgtcaagg aggccgccgt gacggcgctc cccaaggcgc ggacggtgct 120
 ggacctgtgc aacaacctgt acctggacgt ggaggacaac ctgggagcct gccgccgcgc 180
 catcggcttc aaggacgccg tcaccatccg cgccaccatg ggcatggcgg cgcaggacat 240
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 cgcgtcgctc gtcgagatgt ccgagaactg ccgctcgctc tccaacatga tctgatcgat 360
 ctctttctcc acggacgaca acagagagcc gggcgttttg ggccctcgca tcgtttgtcg 420
 ccgctgctaa cgttcgcatg cccatgcccc cgagcgcgct ctgcgcgcac aat 473

<210> 23708

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C5

<400> 23708

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 gatcgttcta cctgtggaac tactacggca gctcaagccc gcagagttcg gcgacaccga 180
 tgagtaccac caatggcagt tccggcagat caagctcctg gaggccggac ttatcctgca 240
 cccctccctg cgtctcgacc gtctccactc tgacgtgctc cggatccgcg aggtcatgcy 300

cgcaacagat atccgtgcc a tcgacaccag caagaactcc gacgtgatgc ggcactaag 360
 caacgccgtg cagctctct agtggcgc 388

<210> 23709
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C6

<400> 23709

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 gccgtcgcgc cgcccctccc cggctctctc cctctctctc gcgctctcgc tcgccctcct 180
 ctctcttctc ctctccctt ccttccctc cactctccgc ttctctcgct cctcagctc 240
 tggctccgct ttgcctctc catctccggc gtcaacctcc gcctcgctg caccgtcaa 300
 gatctacctg tacgacctgc cggccaagtt tacctacggc gtcgtccgta gctacaaggc 360
 tgcgcggtgcg acatctggct ccgcgaacgc cgctgctact ctgcccgacg agcaactgcg 420
 gtacccggga caccagcact cggcggagtg 450

<210> 23710
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C7

<400> 23710

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 tatatacgaa ttccactaca ctcaattaga tgaagttgtc aattactatc cacaacttta 180
 ccatggtgtg cacaaatgtg gtattcctat ttacatataa ctaattggga aagttcatac 240
 ctacaaacta gtgcaaataa caactattga ccgttatata aaatatcatg tcaaacagtt 300
 tgagagatgt ctccacatga tgtttccagc ttgttctatt gctgcaaaaa ggcacatata 360
 ctcatctact gcgatat 377

<210> 23711
 <211> 471
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23711

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 acagattgat acctggttct tgggtcaatgt tgctgggacg ccttcacacc aatctgcaat 180
 tttcatcata tttggctggt ttttcttctc cctgatcaga ttttgaaaga gctaaccatt 240
 gccacaatc aacttactgt ccggttcggt caggggtgtg ctagctcctc ccaaagtttc 300
 tctccaatat ctatacaatt tgtgccagtc catctaata ccccgcgccc ctagagaata 360
 ggcattgaag aaactggtag cctgttcctc aagatcatag gggggaaaaa agcacataat 420
 atataacgaa ctcatctgct gntctttcaa taattgtatg gtcacacgg a 471

<210> 23712
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D1

<400> 23712

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 taatggttga cggagcaaag cagatgtggt cagagatgct tagatggagg aaggaatttg 120
 gtgctgacga tatagaggaa ttcgactaca ctgaattaga tgaagttgtg aagtactatc 180
 cacaacttta ccatggtgtg gacaaagggt gaaggcctat ttacatagaa ctaattggga 240
 aagttgatac ctacaaacta gtgcaaataa caactattga ccgttatata aaatatcatg 300
 tgaaagagtt tgagagatgt ctccagatga ggtttccagc ttgttctatt gctgcaaaaa 360
 ggcacataga ctcatctact gcgatattgg atgtgaaagg cgtgggccta 410

<210> 23713
 <211> 487

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D10

 <400> 23713

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 cgcgcaaggc cggcgcgctc tacgacacca tcgacgccag cggagggtac tacgtctgcc 120
 ccgtcgacaa gtccgtgcgc tcgcacatga acgtgccctt caccctggcc aagggcccg 180
 acttcgagaa gcagttcatc gccgaggcgg ccaaggaggg catggtgcag ctcaaggggc 240
 acagggtctgt cggcgggcgc cgcgcccttca tctacaatgc catgccgctc gccggcgtgg 300
 agaagctcgt cgccttcattg aaggacttcc aagccaggaa cccttgattg ccttgtgctt 360
 atggtcattt ggtattgcta ctcagtcttt ctccctagca taagtgggct cgtgcaagag 420
 ctgtctcgcg ttgcgcactg ggatctaact gtagtattag taccaatacg taacggctac 480
 tgtattt 487

<210> 23714
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D11

 <400> 23714

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 aaaaaggaaa agagccctgg tgatccaaaa gagcagatgc aaggggagct gaacaatggt 180
 aaaaatttag atgctgatca attaaaagag gctgatgttg gttgcagtga tatgaaaaat 240
 gagaaagact atgttgatat caaacagcaa ggcaatgatg gagagggtac gggtaaagtt 300
 gaggaacctg ttcagaagat ggggtgggat gttgaaggaa aaagtacggg tgactcctct 360
 attgaccatg caacaactgg ggataaaaag cccacataaa agaaaataat ataaa 415

<210> 23715
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D2

<400> 23715

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acatgcgcgg gagcttcgag cacaccgtcg ggtcccggga ctcgagatcg ctctacatgg 240
tcggaccgcc cggcggcgac tgcccggagc tcgccatctt cttcgttagg ctatgaattg 300
aaccgagcga accatacgaa tcgaacaata cagtgtacac gtcgcagtcg tgggtgtctaa 360
tctctcgctt ggtctcgttc gttgttcagc agcctcagct agcgtc 406

<210> 23716

<211> 403

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 23716

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gagtgtctggc tgtgaatgca ccaaaatgtg cccaccacaa caaccaccat gatgggttca 120
tgaacttcat gcacagggac gaagaggtga actacttccc ttcgaggttt gatcccgccc 180
gtcacgcgga gaaggtcccc attcctcccc gtgttctaac aggctgtcgt gagaagtgca 240
tcattcagaa ggagaacaac ttcaagcang ctggcgagag atatcgatcc ttcgaccctg 300
caaggcaaga ccggttcac cagcgatggg ttgacgcact gacagaccct cgcgtgaccc 360
atgaacacca taccatttgg atctcctact ggtcccagtg tga 403

<210> 23717

<211> 411

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-D4

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gatgtaacct gtccaaccac acctcagtgg gcattatatg ctggcaatgg aactaagaa 180
tatcattgta aaggattacg catgagtctg gatatcatct ccaaccaaga ccgatgtgaa 240
aataccatcg tgatgttgtc aataccagcc ataagcgtgg gtctgtctga ttggggttac 300
tcgcattaat attgtactgt attgtattag aggttatgcg gcatactcat aatctgaata 360
agataacaaa atttggcatt gtttgcttta aaaaaaaaaa aannaatata t 411

<210> 23718

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D5

<400> 23718

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aggagccccg cgctggcctc caggcacgcg acgccggctg ccgcaaggcc cgccgccagc 120
ctgggagtga aagagtcaac acggccctcg tcttcagtgg gattagaaaa aatagattga 180
tttagttaat tgactcttgc tcctcttcag tggcacacgc aaagacaacc gacgaaaaat 240
gaatcgaatg tgctccacca tgttttctgt cgtgtgacca aaatggagca atatgcatag 300
ctttttttgc aaaaaaaaaa ataagttaa acacttataa aaa 343

<210> 23719

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C1

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tttcatgaat atcagaatgg cccttcaact atttgcggg gaccagtacc ttatttccac 180
cagcatgcga tgcattggcat gcaagctctt gatcctactc aaatgcaagt tccttatcaa 240

caatgccaca gtaatggttt cttgcatggt ggtattaatt accctggaaa ccgtctccaa 300
 ttaggtccac gaaatccagt tctcttcacc aggtctgaac gtgcttttgg gcctccacag 360
 catccgttcc tggcaaatcc agttaaccac cgcaacataa ggattctacc acccgagcat 420
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<210> 23720
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A4
 <400> 23720

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 ggcagaagaa ccagcaatgt ttgagaacca aaccagccaa aatactggaa cagcaatata 180
 gtctgctcac gaccaaccaa accttcgact cataacatcc tgaacaagca cttcatctct 240
 ggcttggtta tatgatattg ctattgtttt gttagaacta gcctgcagct tgttcattca 300
 aaagcccact gattctccct gctcaattta tcctctatcc tcaactctga aa 352

<210> 23721
 <211> 316
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-017-Q1-K1-A5
 <400> 23721

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 gtgtcataag aattcgtgag caaagctatc gcgtgagcat cataaaggcg gcaatctacc 120
 cgggaaacgt gctctcactt tacatgacga agccaccagg cttcaagtac aaaagcggga 180
 tgtacatgtt tgtaaaatgc ccagacgttt cgcctttcga atggcacccc ttctccatca 240
 cttcggtcc tggagatgac tactcgagcg tgcatatccg tacgctaagt gattggacat 300
 cagaactcaa gaatct 316

<210> 23722
 <211> 472
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A6

 <400> 23722

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ttcttgtcga aaagatgggtg agcttgctcc ccgccgagag gaacgccgtc tcttgagct 180
tctttctcaa gcttctcaag gcagccagcg tcttggggcg ctctcccgcg tccaaggcag 240
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cgtcgtcgtg cggggggcag acgctgtacg acgtggacgc cgtgacggcc atccttgaag 360
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<210> 23723
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-A7

 <400> 23723

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tgatgagagg aacacccatc agcaccaggg cggtgaggcc catcatgact ttttcgatca 180
tgttgacttg aaggataggg ggctcctgga cagccttctc tgcaggaaga agcacgacta 240
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gtccgagccc gataagcacg gtcacaagggt ggatgagcac gaagtcttct gccagaagaa 360
agagggcctt ttttccaaac ttttccttac caatttcagc tt 402
  
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<210> 23724
 <211> 211

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-A8

 <400> 23724

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 tctaggttac atcactgcaa acttgatcca gagcattgcg ctcgtccttt ccagcataaa 180
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<210> 23725
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A9

 <400> 23725

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 gccgccgtct ccacacccaa ggttgcgccc gagggcactc caatctccgt tgaggttgcg 180
 gctgatgaac aggtagctga gaaggtggtg gtggaggagc cggctgcggc ggccgacgtt 240
 gagcatcaga aggctaata ggtgctcgct ccagaggcgg ccgtcgccga gcccgaccac 300
 aaggaggagg aagccgtgga gaagaccgtc gtcgaggagg agaagccagc ggagcagcc 360
 catgcagagg aaaaggtcgc caccgncgtc gagaccacga cgacg 405

<210> 23726
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B1

 <400> 23726

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gttcagggttc ctctgaggag actgtacagt tcatgatggt ttattcactt ctgtcggagt 180
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 acatgcaaca tatgcacggg cggtcgaccc tcaagctgtc atcggactcg tcatcatcag 300
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<210> 23727

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B11

<400> 23727

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 acaaggacct gtaccgtccc gtcgccaacg ccaataaata caccgcggg tgcgagccca 240
 tagaacgctg caggggcgcg cgctgatcac caagcatata catatagcac atcgatttct 300
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<210> 23728

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B12

<400> 23728

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 tcttaccctt tgtgtttctc tgtctgtctg gcaatctatc gatctccatg acgacttccc 180
 cgccgcgcac acacctgtc gccatggcac tagcgtggc attcacctgc atgctgctcg 240
 tcaggtcctc ggacaccacc acactctgtc gtcgcgtta caggtgcaac cctgccacgg 300
 acaggacgtt cagaccctat agcgtctgtg ttgtgctatc 340

<210> 23729
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-B4

 <400> 23729

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 gtcgcccggg ccgccagcgg acggcgagat acccttcgga cagcagcgg tcgccttgct 120
 cttcttcgtg gcgtgtgtgg ccgccaccgt cgcgctcgcg tcgtccatgt gctcggcatg 180
 cggtcgcaag ccgaaggcgg ccacccgtgc agacccggcc gcttcggacc agtccgncgg 240
 gacgggctcg ggctctgtct tcggcagcgg cggaagccag gaggctagcg ccgaggaggc 300
 ggaagaggaa gtggtgagac tgtcaccgga gctggcgacg cagggcgcca tcgaccgggt 360
 gacgctgtcg tcgtcgacat cgaagcggcg cctgtccatc agcgtgagcc agaagctgag 420
 catgaaca 428

<210> 23730
 <211> 290
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B5

 <400> 23730

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 gggctctgtc gtgttcgatg gcgctcgatc tgtcatctag gggattgaat ctgtcatctg 120
 gatagaaaac ctgtgctcag atgtcatgtg ctcagcctgt catatggctg tcatgcggat 180
 agagaaccag ctacgcgaaa tacaagacca aggagctcat acttcaatac ctaactagct 240
 atgtgagcgt ctgccgagcc cctacagata gtcaacaact agctatcatg 290

<210> 23731
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B6

<400> 23731

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ctggtggcgg cgacggcgtc ggtgcccacg gccaccgcgt acggctgcta cgacgactgc 180
tacgagcggg gcgccaacgg caagaaggac gaccccgccct gcaccaagat gtgcaaccag 240
gcgtgcggca gcaccgacaa gggcgccgtc gccggcgcg cggcttgatc gacccgggct 300
tcacgcggcg gcgggctcag ctcgatatca gcatcatata caatcgctgc tccgtcgctc 360
acgtcagccc atgcatgac tctcgaccg gccattgaa tcttctcctt ctactatagt 420
atatctttgt tgcaggtctt cgttctcata catcgatcca ctcacttttt tttt 474

<210> 23732

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B7

<400> 23732

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ggttgctcgc gccaacgccca atgtcgtcgt ccgatggcgg ccagtcgcgc aagaggctcg 120
tggtcggcgt cctctctgtg tgcttgcctg tcgccatggt tategggacg gtcattgtct 180
tcgtgagcga gaaggccggc tacgactcgg agctgaggaa gcgcatcatg agcaagacga 240
tgcgacgcgt ggaactcttc tgcgcgcccg cggactacca aggcacgtgc cacgagacgc 300
tggagacggc gctgtcgcgg acggaccccg ccaagcaccg gcacgccgcc 350

<210> 23733

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B8

<400> 23733

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gcttggtgct ggatggtgtg acgaacgtcc agatccgcgg catcacgtg ctcaacagca 120

agttcttcca cctcaacatc ttcgagtgcga agaacgtgct gatcgacata gtgacggtca 180
aggcccccgg cgacagcccc aacacggaca gcatccacat cggcgactcc agcaacgtca 240
ccatcagcag caccaccatc ggcgtcggcg acgactgcat ctacatcggc cccgggagca 300
agatgatccg catccatggc gtcaagtgcg gcccaggcca cggcatcagc gtcggcagcc 360
tggggcgcta caaggacgag aaggacgtgg aagacgtgca tgtgacggag tgcacgatcg 420
gcggcaccac gaacggtctg ggcatcaagt cgtacg 456

<210> 23734
<211> 451
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-B9
<400> 23734

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tgcggctgcc aatgcagctg ttccggtctc tcaagctaac ctgacgactg cctgtactag 120
taacacattc ttgagccagc caaagccaag tgatactccg tcaactgcctc cgaagggagg 180
tcctccatca gaggaggacg gtttggaact gactgttgcc ccaccctccc aacagaacat 240
gacgaacatg tcttcccaga atgcggtagg cgtgatccaa gtcacctaag ctaatatatt 300
ttattttatt ttatttctct ctctctctct ctttctctct agaagttact gtggctgttg 360
acagttattg accgaataaa tattaacatt gtattagcaa tactacatga ataagaagag 420
catgagggtat aaacccatca tttgccaaaa a 451

<210> 23735
<211> 429
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-A12
<400> 23735

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gggcttgatg tgggtgcccc gttcctcgct gggcagtgcc gagcgtacac cgagaaggtc 120

acgtctctgc cggtcaagtc tggaggacga gctgctcaga atgcgtcgtc ggcattgaga 180
gaagtcattg gctcctacac aaatgcaatc cgccgtcgtc tacgtctcga ccaacggtag 240
gaacaatgcc ctgccgtgcg ccgcatctgc cactccgatg tgtgcgaacc cctgtctccg 300
gccggcgtcg cgctgcctag ggcgatgccc cagccattac cacgaagacg cctgccctca 360
cttttgctg catgccgnca tgcattgtact caatgaagaa gaaatatcat gcgtcttctg 420
gggattgga 429

<210> 23736

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G3

<400> 23736

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gcggacgacg ccaaggcgaa ggaggtctcc acggagggcg tcgggcagct gttgctcact 120
gaggcacagt gggaggcgcg gcgtcgggaa cggaacaagc agcgcaagcc ccgtgacggt 180
gacaagaggc gcggcaatgg cgatcgggc aacaacggag acgatgagca cagcgacggc 240
gacgacgatg cgagcagcat ggctcgggt tcaagccgga gaggtggag ccgcaacagg 300
gccagtgc 308

<210> 23737

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G4

<400> 23737

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cgatggcaag acagacagca cgaaggctgt gcaggaggca tgggcatcgg cgtgcggcgg 120
cactgggaag cagacaatcc tcatacccaa gggcgacttc cttgtcggac aactcaactt 180
tacaggccct tgcaagggcg acatgaccat ccagggtgat ggcaatctgc tggcgaccac 240
ggacctaaag cagtacaagg accatggtaa ttggatcgag attctacgg tggataacct 300

ggtcatcacc ggcaagggaa accttgacgg gcaaggccca gtcgtgtgga acaagaactt 360
ctgcaccaag 370

<210> 23738
<211> 470
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-G5

<400> 23738

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ggaaccgggt gcttttgggt ggcagtggtt ggaacggagg tggagggggc ggcggcgaag 120
gggacggcat cgcgacggcc accatcatgg tgcttgggtga cacctgcacg cgcgggtgtc 180
gattctgcgc tgtgaagacc agcaacaaac cgccgccgcc tgatcccctg gagcctctga 240
acacggcctt ggctgttgca agctgggggt atgatctcta gtaatcctgc ctggctgac 300
atctgctgat tgtgaactgt taggttctca gaactcgtga ttgatcgatg caattgtaaa 360
tntgtaattg gtgttaggcc ctgggtgttt ccatagtgtt aagtttagca caaacctttt 420
ttagtaaagt tcatatatgg aaccaaacat tcatactaaa agggcagtgc 470

<210> 23739
<211> 272
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G6

<400> 23739

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gtaacctttt gcttttgggg ggcagtggtt agaacggacg tggacgatcc gtcaaccaat 120
gggacggcat cagcactgcc accatcatgg tgcttaatga caccatgacg ctcttgatc 180
gattctgcgc tgtgaagacc agcaacaaac cgctcgtctta ctgattcttt ggaacctatg 240
aacactgctt tggctgttgc aagctttggg ta 272

<210> 23740
<211> 403

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G7

<400> 23740

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 cgcaggcatg gacgacaagt cctgctacgt ggccaccggc ctctccctgg cggccatcct 120
 cctcgtcctc caccgcctcg tgggtccgtgc tggcggcaag gggaacgccg ccgcgcggcg 180
 gctgcctcct agccctcccg ccgtcccgtt cctcggggcac ctgcacctgc tagcatcgga 240
 gtgccctctc cactcgtcgc tggccccgact cgcggcgcgc cacggccccg tgctctcgct 300
 gcgcctgggc tcccggggcg tcattggtgt gtccgcgtcg gaatgcgccg aggcgtgctt 360
 cacggagcac gacttggcgt tcgccaaccg tcccagactg acc 403

<210> 23741
 <211> 199
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H1

<400> 23741

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 aggggttgagc tgtgcctttt ttttgttttg aaaaagctgc tgtgagttat gtgttataca 180
 atagctgttg tgagttgtg 199

<210> 23742
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H10

<400> 23742

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 cgccgacgtc gacgtcggga cggagctccg gctcggcctg ccgggaggag gcgccgcggc 120
 ggccaataag gacaccatcg acctcaagct gaagctgtcc accggcggca tggatgagggc 180

ggctgccgcc gccaggccgg agccggcagc cgagaatgcc aagaggccag ccgaggcgcc 240
ggccgccgat gccgagaagc cacctgcacg caaggcacag gccgtgggct ggacacgagt 300
tcggtcgtac cgcaggaacg ccatgacgac cgggtccaggc ccggaggagc atgaacgaag 360
aggaacctga tgagcagcaa cagctcgttt gacgcaacgc ctctgtgaag tcagcatgga 420
cg 422

<210> 23743
<211> 291
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H11

<400> 23743
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atgcgggctt gctcactcat acctgccttc gctcctctgc ttaacctaaa cggacgaact 120
tctatcaagc tocaacctgt actggtactg ccgctacctc aaccagctac cgtactcgct 180
ctactaccgc atcttctacc ggcagctca tacactttac attatctaga ttgtcttcgc 240
actcacctag cttcacgcca ttgtctcga ttaccgggca cataatgact t 291

<210> 23744
<211> 402
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-H12

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gagaggcatc agcagccgca ggaggagcag gaggagcagc agccaccgga gctggaggag 120
gaggagcagc agcagccgca tcagtcacag cttccatggg tctgcagag gcagcgcccg 180
cccgttcttc ttccatgggt ccggcccat ccacggccgc gtcgaccgtt ccggaaacat 240
ccggtggccg acctgggttaa cggatttttc cgtggttttc actgaaggcg agcactatgc 300
tcgggacgta gacctncaaa atatgcaatg ctactacagt ggtaatggac gtaaaccggg 360

gatatccatga gcttaattaa catgaacaat cctgctttgc tt

402

<210> 23745

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H2

<400> 23745

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ttgctacagg gtacggtcac tgaaaaggac gatgagctac tacagccagc agccctcagt 120

eggcgtagcg ccgcagcaag gctacccggg gaaggacggc taccgcagc cggggtagcc 180

gccggccggc tccccccgc cgacgcaggg ctaccgcgcg cagggctacc cgcagcaggg 240

ttaccacag cagggctacc cgccgcagta cgcgcagccg cttcacagc agcagcagag 300

cagcgggcct tacttcatgg aaggatgctt ggctgccctc tgctgctgct tgctactgga 360

ccctgcttc tgactgaacc a 381

<210> 23746

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H4

<400> 23746

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gccccagcga cgcaggcagg cgcgcgcgcg gccatgaagg ggggcgggtgc catgaggccg 120

tcgcctatgt tctacgtcca cgaggcggac gtcgtccaga tccaccactt cctcgaggag 180

tgctccctct gcgccaaatc gctctccggc gacatcttca tgtacagggg tgacacgccg 240

ttctgcagcg aggagtgcag ggagcagcag atcgaggtgg acagggcgaa gcaccggcgg 300

aagaagcgcg cggcgggcga cgcgctgtcc gcacgcagca gggagcaccg gcaccagcag 360

cagctgcagc agcaccacca ccagcagcag caa 393

<210> 23747

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H5

<400> 23747

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cgccaccttc ccgaaaaagc ttaccctttg tgtttgtgtg tctgtctggc aatcgatcga 120

tctccatgac gacgtccccg ccgcgcgcac gcctgctcgc catggcgctg gcgctggcat 180

tcgcctgcgt gctgctcgtc aggtccgcgg acgccgccac gcccgggggc tccgcgtacg 240

ggtgcaacct ggccacggac aggacgtgca ggcccgatgg cgtcgggtgtg gtgctgcccg 300

a 301

<210> 23748

<211> 89

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H7

<400> 23748

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tgtgcgagat cgagggccac cacctctcg 89

<210> 23749

<211> 101

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H8

<400> 23749

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gcgtagctta gctagctgcc cctgctccag accaggtgcg g 101

<210> 23750

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A1

<400> 23750

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gtcatacag cccgccttca ttcacgggga tggctgatga ggtgaggcct gctaccgatc 120

tcttttgcg cactaatccc atctatctac cctccaatgg ccctctactt ctatagcgac 180

gaaatcccat gctcgagcct ttcacgcgtg gtatccatga gcctcaaata gaatgccgac 240

cagcctttgt actggcttgc gacctccatt actgcggctc ctggacctga ctatagctag 300

cgttcatatc cgtacgctag gctagagaac atcagatctg aagattctgg gagtgaacga 360

ttgtg 365

<210> 23751

<211> 354

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-A10

<400> 23751

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atcgggggga aggtcctgca ggccggctgg ccggtcgctg atcgaggaac caagctgctg 120

ctgctgctac cggacgacac caaccatgat acggaggacg acggtgtgcc taggcctgct 180

gcttctacta ctggggggcg cgactgcgac ggcacatttc tcgatcggcg acgtggacga 240

gtacttgaac aggcgcacgc aggagtcccg ccacaagaac cacggcggcg cgcagatcaa 300

tgacctcatc tccagtgtg cgcgcttnca cgccaacgtg gatgcacgcg cgta 354

<210> 23752

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A11

<400> 23752

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tcgccggagg tgaggaagac gtacaacctg ctggacacgg tgagccggca cacgatccag 180

gtgtaccgcg gggttatggac ggcaatcatg ctgacgttcg acaacgcggg catgtggagc 240
 gtgcattcca acatctggga gcggtactac ctcggggagc agttctacat cagcgtcgtc 300
 tcgccggcgc gatcactgcg cgacgagtac aacatgcccg acaacgccct ccgctgcggc 360
 aaggtcgtgg ggc 373

<210> 23753
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G2

<400> 23753

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 agcgcacaa gctcaccacc acccgcaaga acaacgcca gaagcgcctc aagcggctct 180
 ggcagaatga ggcgggtata agagcttggt gtgcatcagc gtctaacgcg gcttccacag 240
 ctgagaaaca acagtagctt ggagcacaac tggagcagag ttggtcctgt gacctaccta 300
 tgcttgctt gactttgctg tccaccccca gtgttttgat tttgctgtcc tcggattgaa 360
 tactttctcc atccagagga caacatcatt 390

<210> 23754
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E8

<400> 23754

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 ttcctttttt acttactctt atttactaac atattaattt ttttttaatg tcccttaatt 180
 taaattcctt gcccttattt ttataacttt ttttctggaa aatccttggt tttccccttt 240
 ttattttcct tgaaacattt tcacttttcg ccttttggat tatttgctaa gagtttttga 300
 ccattggctt ttgccatcat ttgccattt ttattgggta tttgtacgcg ctatttatag 360

tttttttaat ccctttgggtt ttgcttttta cccctatattt taccttttct tttgttagtt 420
ccttatctcc ttctcttttt attttcttcc 450

<210> 23755
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E9

<400> 23755

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caaccctcaa ctcttctcta caacatacat ctacacacta actttttcca aatacatccc 120
ttcattctta ctacat 136

<210> 23756
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F1

<400> 23756

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tgtcggacaa ctcaacttca caggcccttg caagggcgac gtgaccatcc aggtggatgg 120
caatctgctg gcgaccacgg acctaagcca gtacaaggac catggtaatt ggatcgagat 180
tctacgtgtg gataacctgg tcatcaccgg caagggaaac cttgacgggc agggcccagc 240
cgtgtggagc aagaactcct gcaccaagaa gtacgactgc aagatccttc ccaactcgct 300
ggtgatggac ttcgtgaaca acggggaggt gtccggggtc acccctgtta acttcaaagt 360
ctttcacatt aacctgtacc ggtgccagga catgcttatt a 401

<210> 23757
<211> 418
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-F10

<400> 23757

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agtagggcgc gcgcgcgacc tcggcaccgg cggcctcgat ccacgttct ctcggatccc 120
cgccagtgea tgccctggaa cggacggacg gaatggcagc gtcgccggac cacctcttcg 180
gcctgcgcaa cagcttctac gtcggcgcgt accacgccgt catcaccagc agccagtccc 240
tccccgcgca cgcgtctccc cccgacgacc tcgtcgagcg cgacgccctc atgtaccgct 300
cctacatcgc catcggtccc taccagctgc atcggcgaga tcggggccag cgcggccacg 360
ccgctccagg ccgtcaagct gtcgccgtg tacctctncc gcgacggcgg gaacaggg 418

<210> 23758

<211> 68

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F11

<400> 23758

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gattagat 68

<210> 23759

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F12

<400> 23759

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gccgatcatc tccttcacac ccgaagccag caccgcgccc acagcgcctc cgtcgtcgac 180
ccgtgtcgcc caagccgagc tcctcccatg gctaccctcg ccacggttct tcctgtctgc 240
atccgagttt gtcgagtcaa tgctcgctc tctgaaggtc cccgtggttg cgctgtgtc 300
tgcagccatg gcggtgacag ccctccacct gcctgcgcta tggggagagg agcgacgggc 360
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<210> 23760
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F2

<400> 23760

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gctcaagcga cgcctcggga acggggaggt gatcccttac gcagacctgc tgcgcgcgtg 180
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ggatcttgta aggaaagcta tgccccttgc actgacacct gagaatgata cggggaagga 360
agagctcaag cagctccaag tgcagttgga agacatcaac cagcttgac acaagcaagt 420
ccggcgcata ctctgggtctg gtctgggttt cttgatcacc caagtggg 468
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<210> 23761
 <211> 470
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F3

<400> 23761

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cgtggcgcgtg gccgcggagg cgcgggctcc gtctcccacc agcggctcct ccgcggtcgc 180
acccgccatc gtcgggggccg ccgtggcctc cttcttcgcg tactacattc actgagccgc 240
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tgcgctgctc tgctgctccc gcgcattccc gatgcgtggg cgtgctctga ttgggcacgg 360
cgggtggcagt ggcacacctt tgtcttcctt ttggttggtt ttttttcctt cctctttcta 420
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<210> 23762

<211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-F4

 <400> 23762

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ggaagatccg gtcggtgcac gcggcggtcg cagcgccgat acgggagtcg aacctgatca  180
ccgctgcttg cgacaagtgg atgagcggcc aggttgatag gaagatgccg taccaagaga  240
ggcatgtcgc gcagcaggcg tccattgttg gaaacatgga ggcatttggc ttgctgcaaa  300
aaggctagcc atgaggtggt tgatgngag aatgcngcgg tgagtgtca ggcagttgtg  360
gagtttgag ctggaagagg gtacttgact cangttgctg tggactgtta tggggataga  420
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<210> 23763
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F5

 <400> 23763

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aaaagggtgca taaccatctg gctttcttca ttgctctaca agattaatga agaaacacat  180
gcagagggaa caaaacccca aacttggggg tgtgggacat gagaaacatc atagctgcat  240
atcagacaat tctcgacact tacgcaacat tctgctatca tgccatatct taccctatgg  300
cattattca taggctgctg tgtgggcact tagttttaca aaatctgctg aaatctaatt  360
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<210> 23764
 <211> 440

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F6

 <400> 23764

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 aaaaggtgca taaccatctg gctttcttca ttgctctaca agattaatga acaaacacat 180
 gcatatggaa caaaacccca aacttggagg tgtgggacat gataaacatc atagctgcat 240
 atcagacaat tctcgacact tacgcatcat tctgctatca tgccatatct taccctatgg 300
 cacttattca taggctgctg tgtgggcact taattttaca aaatcttctg aaatctaatt 360
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 gtcttttttac attttattta 440

<210> 23765
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-F7

<400> 23765

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 tagccgtggt ccggcgagtc ggggattcca ggtccttgac aatgaccac tggaaaaggc 180
 aaatgcatcc attaggagca gaactctcat gaacaagctt gttctgcctt tacttttggc 240
 tgaacttggt ataaccaacc caaactgcc aaaaatctgg tgttgctaca tttgtatcaa 300
 tctttacctg agcttggtgt tttgtaagct tatgcatgta cctncacatg tatagatatg 360
 ctacctacat tttctttctg tggatcatatg atatggtgac aaggtcacag atatactctc 420
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<210> 23766
 <211> 436
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F8

<400> 23766

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aagccccttg ttttccaggt tggccatctt gaggaacggg accaggaatg gggtcaccaa 180
ccgatcgta gcaaggaggg tccacgcttt ttccgaaatg atgtcctgga gttcttgact 240
cgcacgaagt ggtgggctgt gccaaactata tggtgcctg ttgtctgctg cctgctcgtg 300
aaatctattc tgatgggtca tactgttcag gacgtagcta tgatggctct gtttgggata 360
tttatttgga cgtgatcga atacactttg caccgcttcc tgttccacat cgagaccaag 420
acctactggt ggaaca 436

<210> 23767

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F9

<400> 23767

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gccgtgcgca catgaccatg acacggacga tgtgcctaga cctgctcctt ctactactgg 180
cggacgcgtc tacagccacg gtgcatttga ctattcaccg atgtggatga ctacctctcc 240
aagcgcacgc agtactaccg ccacaagaac aacgatctcg cggccatata tgaccttaac 300
tccaaagcgc aacgcttcca catccactga catgcacgct cctatggccc tatatacgac 360
ctgcatgacg aggcaa 376

<210> 23768

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G1

<400> 23768

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gatggagatg atcaagagga tcctcatcga cgcgctcctc gtagtcgacg tgtcggccac 180

cgcagtgctt gcctgcaccg aggacgacgt cgacagcgcc gcagccggat ccgagtaatc 240

ctcgtacaac agatttagcc gttg 264

<210> 23769

<211> 52

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G12

<400> 23769

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<210> 23770

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-E6

<400> 23770

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aaggggcatcg atgcgaaagc gtccaggcct ggtgggtcct tcgacatcac caagttgggc 180

gcctccggca atggcaagac agacagcacg aaggctgtgc aggaggcatg ggcacgggcg 240

tgcgggggca ctgggaagca gacaatcctc ataccgaagg gtgacttcct tgtcggacaa 300

ctcaacttca caggcccttg caaggcgac gtgaccatcc aggtggatgg caatctgctg 360

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gataacctgg tcatcaccgg caagggaa 448

<210> 23771

<211> 253

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D11

 <400> 23771

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 gaaggacctt ccaagtagca tgaagcgcgg acaccttgct tttgccttct tttgattctc 180
 tttctctttt ggctcaatca tggtatatga gaaataaaat aaatattgga ctcaaataag 240
 aaaccggtga ttc 253

<210> 23772
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D12

 <400> 23772

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 gaagccgcgg agctgaatgg cctcaccaac ctgcagccac cccacggatg ccacgaccac 180
 aacttcctct actacctcaa gctcaccacc aagaccttcg aggagatcac caaccactac 240
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 taatacaaaa atgcactcat tatgccagat attcatattt 340

<210> 23773
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D2

 <400> 23773

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 tttcctcgtc gtcgcagcct gcaaattggg agtttcttgg ttcttatcag tggagctggc 180

tttgggaattt gcaggcaccg ttctgagctg cgctgggtgct cctggaaagg tgttggtgcc 240
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 agaactacag gttcgattgt ccccttctgt gccttcattg tacaaatggt ccaaattgtct 360
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<210> 23774

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D3

<400> 23774

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 gaagaagacg aggacgaaga agaattgagcg tgtcggctga aggagattag gcgttccgaa 180
 tcgaccgagc cagccagcca gccagccagc cccctcagg ggaggcctcc agcagctccc 240
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 gtagatgtca tgttcgtata aatagaatga aactactagc gtgtcaaggg atttgcttga 360
 taaaaaaaaag gttacgctgg tcaaacgctt ctcaattaat taggttacct tggcattaat 420
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<210> 23775

<211> 371

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-D4

<400> 23775

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 ctttctcct agtgcccagc tttattgcag atccagccct ctgatcctcg tcttctttca 180
 cctctccaac atgaaggtca acaccaagat caagctggag ccggtcatgg cgccgtcgtc 240

gtccctgccg cggagcgcca gcgagctacc cgaccgctcg tcaccgttca gtcceaacac 300
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 gtcggcacat g 371

<210> 23776
 <211> 490
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-D5
 <400> 23776

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 ctacctggcc gtgcttgtga agtttgtggc ggacgacggg gacatcgtgc tgatggaaat 240
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 gatggacact gccaaaggcg tcaagggtcc cttctccatc cgctcacca gcgagtccgg 360
 caagaaggtc atcgccaaag acgtcatccc gccgaactgg agacccgatg ccgtctacac 420
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 atggacctgc 490

<210> 23777
 <211> 471
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-D7
 <400> 23777

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cgagatgcc ttacggcgag tccggcgagg ctgcgcgctc cttgatcca taccagattt 360
 tgagctggca gcctcgtgct ttgtactttc cacaatttgc gacatcagaa cagtgtgaaa 420
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<210> 23778
 <211> 54
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-D9
 <400> 23778

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<210> 23779
 <211> 367
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-E1
 <400> 23779

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 cgggaggggtt cgtggactca tctgcnnatgc tgctccgca atgccacacc acattcgaca 300
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<210> 23780
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E10
 <400> 23780

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<210> 23781
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E11
 <400> 23781

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<210> 23782
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 <212> DNA
 <213> Zea mays
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 <400> 23782

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 ttctctctga agaatgggaa gctggaagta tgaaattttc aatctttcac aagatgatct 360
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<210> 23783
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-E2
 <400> 23783

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 ccgtggccag cagagccttg tgacatgggc tacaccgagg cttagtgaag acaagggtgag 300
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<210> 23784
 <211> 357
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E3
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 gatttcgatg atgatgaagc agtcaaggtc ttccgtcggc agaaggtcga tcaagctgta 180
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 cgacgaatgc ttgaggagtt tcgccaggca actgcagaat tggaaggatc aaatgaagtg 300
 acatcaatat ttgacagtga cttagagtta ttagggatca acaatttcat gtaaaga 357

<210> 23785
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-E4

 <400> 23785

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 agcatgccgg agccgcggga cagcctgctg ggggtacctg tgtacaacac ggtgatctcg 180
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 ctgccgcccg gggacgacgg cggggaccga ctggcggcgt cgggcccggg actggcggag 300
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 gtgcg 365

<210> 23786
 <211> 471
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-E5

 <400> 23786

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 ttccgtcccg cccgccgccc ccgcgcgatt cagggatgga gatgaagaag atcgccctgcg 180
 ccgtcctcgt cgccgcctcg gcggccaccg tggcgctcgc cgcgagggt ccggctccgg 240
 gccccaccag cggctcctcc gccgtcgcgc ccgccgtcgg cgccgccctc ggtgcgcgccg 300
 tcgccttctt ctgccttac tacatttaac gaagccggcc gcggccgtcc gccgaaggc 360
 cgagaaaaaa cgaaacggga gaaaaaatga catggcttcg cgcattccga tgcgtgggca 420
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<210> 23787
 <211> 437
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23787

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tcgcgcgtcat cttatccgtc ctcttctgtg ccgcggctgg caccgccgtc gacaacgacc 180
tccccgacta cgtcatccag ggccgcgtct actgcgacac ctgccgcgcc gggttcgtga 240
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ccggcaagct cgagcgtcc atcgacgggg ttgtgtgata ctgtgatcaa gcaaggagac 360
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catgtaacaa actaacc 437

<210> 23788
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B2

<400> 23788

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gttcacctgc gttctagatg ctactagtac tacttgcac agtttttgetg tccactatt 180
tccgaagctt agcctcgcaa ggtttctgat accaaatttt gaccttgcca aatgttttgt 240
tacctcgtca tgcacactga gtgattcaga tggtatatac gtcttatcgg atatttgctt 300
ttttatgtat ggcactatga tttctagcta taccgattct aattgtaagt ttgagttatt 360
ctggtcaaaa a 371

<210> 23789
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B3

<400> 23789

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tgtgactcac cgtcgtcgat ccgcaggatc tttgtacagt ttctcttttc aataatcaag 180

atgagccgtg gtggtagtgc cggtaggtggc caaagttctc tgggttatct ctttggaagc 240

ggtagagccc ccaaaccagc agtggcacca gctgcaagtg ctccacctgt tgagaaacca 300

tctgctgcaa agactgatgc ggccaaacag gttgcttgct gggttaccag gccaaaccaat 360

aactaccaca aggctgatgg tcagaacact ggcaacttcc tta 403

<210> 23790

<211> 186

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B4

<400> 23790

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ccacgtccag ttctaactta tgagcgtgca cttcatttcc atagactcat atcagtttaa 120

atttattact cactatattc tatccgtata aactttatac agtttctctt ttcaataatc 180

aatatt 186

<210> 23791

<211> 372

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-B5

<400> 23791

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agggagaacg ggacgtttcc aggacctgtc tgaatgtacc gcccgagacc tccagttgga 180

ccagtcaaca agttggccag gcagtcctac tgttccattc tgcattccta ctccccgaat 240

cgtaaatgcc ttttgtccct agctcttcaa ccaggcacca caaaactggt agtgcgcct 300

ctcgtagcga gctctaataa tttggctaca gttgccccac atgcangcct ngttttgtgtg 360
 tggactgtgg ac 372

<210> 23792
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-B6
 <400> 23792

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 tatcgtactc agctctaata atttggttac agttgcccc catgtagtct tgttttgtgt 360
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 tatttttttt 430

<210> 23793
 <211> 226
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-B7
 <400> 23793

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 ctttcttctt caagagttag agccacatat atgctggaca gaatgagtgg tcggaattgg 180
 cctggggaca gatactcatc atatggataa gtgtctctca tatata 226

<210> 23794
 <211> 443
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-B9

<400> 23794

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agcgtggaac ggctgggccc ctccgatcgc cggagatgct gccctacgcg acggcggcgg 180
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ccgcgggggt gtccgactac cacctctact gctgcaacat cctcttctc ttcgtcgtct 300
tcacggtggc cccgcttccc atcgcgctcc tcgagtcggg ccccgccgc ggtctcgccg 360
tacanactgc agccgcgggt gcggtctccc agggccgagt tcgtccggtg ctacaaggac 420
gtnctnecga tcttcttct cgt 443

<210> 23795
<211> 179
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C1

<400> 23795

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aatattgtga ctaccgcct tctatccaca ggatcttttt acaaattctc ttttcaata 179

<210> 23796
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C11

<400> 23796

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gagccgcaa gggagaggac gaaatggcac tgtccacgac gaacacgaac gcctccgagt 120
cgcagctgca ctgctccacc tttgcgtcgc gctacgtgcg caccgcgctg ccgaggttca 180

agatcccgga gcagtcgata cccaaggagg cggcgtacca gatcatcaac gacgagctga 240
 tgctggacgg caaccgcgg ctgaacctgg cgctgttctg gaccacttgg atggagcccc 300
 agtgcgacaa gctcatccag tctccatca acatgaatac gtctacatgg atgagtaccc 360
 cgtcactacc gagctccaga accggtgcgt gaacatgata gcgcacctgt tcaacgcccc 420
 gatcg 425

<210> 23797
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C12

<400> 23797

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 accctagccg ccgcccattg atatcgccgg agaccggcgc cggtagcgat acgcaaaagg 180
 agtggtacgt tctttgacct tgtttattgc tgcgcccag gcgtgtggcg cggggggagc 240
 aggaaggaga ggggaagaac agaaggggaa ggcgggcgga gccgcgatgt cgggtgcggat 300
 caaggcgggt gtagaccggt tcgtgaagga gtcattgagg gctggacgcg gacatccaag 360
 accgtgtcat gaaggagcgc gagatgcaga gctacatcga ggagcgcgag cgcgaggtcg 420
 ccgagcgg 428

<210> 23798
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C3

<400> 23798

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 cgctggggtc ctggccgcgc ggccggcgtc tgcaggcggg ggagccgcgg cgggtggcgga 120
 gatctgcatg aagactccgt cccccacct gtgcaccagg acggcggcga agcacgcaa 180
 caagtacaag gtggtggacg cggtgacggt gctagagatg catgtggacg cgttcaagaa 240

gcgcgtgaag gcggcgcgga ggctcgccaa ggaggaggtc aagacggccg cgacgcccga 300
 ggcgcgagg gcgctgaacc tctgcaagac ctactacctg ga 342

<210> 23799
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-C4

<400> 23799

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 tggccgtcaa cgacgtcgtc ttcaagaaca tccacggcac cttcaacacg ccggaggcca 180
 tcacgtcaa ctgcgccaac aacctgccat gccagggcgt gcagctcgtc aacgtcgaca 240
 tcaagtacaa tggatccggc aacaagacca tggccgtctg caagaacgcc atcggcaagt 300
 ccatcggtt gcaaaagagc tcgcctgcat ctgaaccaat ngactaacat gcataatnata 360
 tatatataat cactcttcgt aacctctctc tttctcacgt actctcaagt ctccaccgaa 420
 tatataatcc ggttggttg attttctttc ttctttggat ca 462

<210> 23800
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C5

<400> 23800

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 ggatcaagat atcatcacc acaacttgta tcacgtcatg aattaattaa ggccacatgc 180
 atacatgcat catgcatgca tgcttaatct acattccatt attaagcttt tacaatgcat 240
 gcatgcatat attaattaat tatcatcaat tatcatgtac atacgagacc tacttactac 300

<210> 23801
 <211> 74

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C6

<400> 23801

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ggctctagatc gcga 74

<210> 23802
<211> 463
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-C7

<400> 23802

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gcggatccct acctgcggaa tgatctcgta gtacaatctg gaggagccag aggggtgtgca 120
caacctattc gaaatcatcg ctaagcgctt gcgcatggag ggtttcatgg tcttcgacta 180
ctacagccag taccacaagt tcgagcaaga gatggtcggg tacctcaagg cggggaagat 240
agcctacgtc gaggacattg ctgagggggt agagaaggcg ccggaggcac tcatcgggct 300
cttcaccggg cgcaacgtct gcaagcaact ggtcgacatt gcgcgggaat gaatgctggg 360
catncatatc tacgttgaga ataatgtcgt ataaactata aagcatgcgt acgttttcag 420
acgtgttagg aattgatggg ttgcagtgcg tgcaggctta tgc 463

<210> 23803
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C8

<400> 23803

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ggaccagctc aactataagt tttcgatcca acatgattgt tttcttgaat cccaggtacc 120
tccggtgtcc ttcgacaact ttagccatat tgccatcata tgtgggaaca aatatatcac 180

tttccagtga taccaagtaa tccagtgcag ccattttgcga cgaatgggttc tgaaagaaca 240
 tgagatcaga aggttccaga agcgtctcct ttctcaccac gttagggttaa gccaaaggtaa 300
 gagaagccat tctgcgtttt ccacatata tcttcccagc tgcaatgtaa atttgcatac 360
 ttttgtcgat attc 374

<210> 23804
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C9

<400> 23804

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 cgaaatccat ttttctacag cagtattaag catgggatgt gctctaggat tggcttatcc 180
 acatactaag ttggaccaca attaatcaaa actacatcat tgtgctcgat aggaaatttt 240
 gtgctttcct ttttacatat agatcatgtc tatagggtctc agaaaacttc atcaaatgta 300
 ctcttgtttc acctacatgg aaacatggga tgtgattgta tcggagtggg attattacaa 360
 ggtacatata gtactagctt gaggaactga agatgtttta catgtgatgt acatcggact 420
 tgagagctat gaatcaacaa catacgtttt aaac 454

<210> 23805
 <211> 214
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D1

<400> 23805

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 aatcacaatc tccatcatcc atacattata cacaccctat tctaatacat cctaactctc 180
 ctccacatac aactctttca tcacactcac acta 214

<210> 23806

<211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-B12

 <400> 23806

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 ttattttctaa ctcatattta tgagataata aaatatgaca aaagctatac caaaaatagg 180
 ttcacgtaag aaagtgcgta ttggtttgcg taggaatgcc cgttttagtt tacggaagag 240
 tgcacgtaga ataacaaaag ggattattca tgttcaagct agtttcaaca ataccattat 300
 aaccgttaca gaccacaaag gtcgggtcgt tttggctctc cgcaggtact tgtggattca 360
 aaagctcaag aaaagcatca ccctatgctg gtcaaagaac agcagtagat gctattcgta 420
 cagtgggttt gcaacgagca gaagtta 447

<210> 23807
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H7

 <400> 23807

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 tcgaggagga gggagaaccg gcgcaagccg ggctgcact cgacaaggac ggcatcccgg 180
 agtgggtgcc cgacagtgag cggagggtgc tcaagggcgg cggcttcaag agcacactca 240
 cgccaaatgt ggtggtggcg aaggacggca gcggcaagtt caagaccatc aacgaggcgc 300
 tcgccgccat gccaaagacc tacgacggaa gatactgat ccaagtgaag gagggagtgt 360
 acgaggagta cgtgaccatc accaagacta tgaaaaacgt g 401

<210> 23808
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H9

<400> 23808

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tttggattaa taaggaaatc cgttggctta aggtaatgca ggctaaaacc tgatggctga 180
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ggatcctgta tcgatctgga gaaatttcta agtcgtcgtc gtcgtcgtcg ttcggttcga 300
agcggatctg aggcgactat ggctgaaggc ggcgggatct ctgggtctgc agtcctgctt 360
cacctcgatg gatgat 376
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<210> 23809

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A1

<400> 23809

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gaaaaaagaa agaaaaatag aaaaacaatt tgaaaaagca aaaaaaaaaa agtatacaaa 180
aatggaaaaa aaatagtgat gatgtcatag gctaggaatt atccccagg gtagccagca 240
gagaatgggt caggcacatt catggtactg atgtggagtg atatcattag ccatttactg 300
gcaatagcat gttgactatg catgcactcc agaagaagtg cagcagcatt tcaattcttg 360
tggaactgtt aacagagtga caatcctgac tgac 394
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<210> 23810

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-A10

<400> 23810

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 gtgtcttccg ctgctgttcc gcaaggaaac tgactcccc gaccgtcgtc gtgatgctgc 180
 ccgctcatgc tcctagacgg gaatgactgc cgcagaatga cgaatagggc tgggtgtgtgt 240
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 ttgattcatg agatcatgct agagattttt cctgagtgcg tgtaaaactg tcgaactatt 360
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<210> 23811
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-A11
 <400> 23811

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 ctgatagcag aggcaaagaa gaagagagtc gccgccgccg ccgccgagga gaagaagggtg 180
 caggacaact tctgctcgac gctgtgagag ggcaggaagg ggatggacct ggtgggtgtgc 240
 aaggagtcct gcgacctctc acagcgctcc aacctgggtgc tgtacggccg gatccagtgc 300
 aagggcaagt gcaccgagca gaagggcatc accgaccgca gatgaaagtg tgcccagagg 360
 cgttcgacaa ggactacctg gt 382

<210> 23812
 <211> 321
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-A12
 <400> 23812

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 cctagaacca caaagctgat atctctacac tgggtgtgcgc gctgcatccg catgatatcg 120
 ctaaagtcaa cggagttgct gcatactctca gacactgcaa cacacctgct cactgtcttc 180

acttcactgg accctcatag ctacccaact tcttaaaaag tcttaatcac gatgtcattc 240
 ctgccggtgt cccaaggaaa cctgcgatga ctctcgatga cctctttaac atcaacacat 300
 gcatcgacaa gacacttggt t 321

<210> 23813

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A2

<400> 23813

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 tcattaacat gtactacatg ttgcggcgca tggagactgc tacgatgagt tctctagagt 180
 tctagattag agagtgctag taaagtttga cctgctcaga acatgactgc ttataacgga 240
 tgaatctagc tataatgtgt cacgctctca ttctatagca ccagatgttg catgccgac 300
 atatgcaatc gagtcatcat acgtgtcgga cttgctcaca gctcaca 347

<210> 23814

<211> 406

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-A3

<400> 23814

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 aggagtatga aggatactgt gatgagttcg tgagtggctc aggcgctcgt ctcccaatca 120
 actttgggtg ctggatcggt gtcttcatat gatgtaatta tttaactatt ttgtacagaa 180
 ctccattata tattaaagtt gtggcattcg tttctgtacc atgagtcac atagtgtga 240
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 ccgggtgtga cagaagtgg atcagagga tgttgactgt angacgaaac ctagatagaa 360
 ctggataacc cttacctact tatctttgct actctgattt ttttct 406

<210> 23815
 <211> 358
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A4

<400> 23815

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gccggggtttt ccttctccag agatgccaaa ggctacaacg ctggagcggc atcaaccacg  180
ctacacttgg cgaagtccct caccaagtgg ttcaacgacc atcccagta ccatgcaaat  240
cctttctaca tcgatggaga atcatacgct ggaaaaattg taccattcct tgcacagatg  300
atttcagaag gtattgaagc aggaatgaag tcggcacctc gtctcaaggc ctatctag   358
  
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<210> 23816
 <211> 438
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-A5

<400> 23816

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catttgctcag tggtgactcg tggattcgtc taacttccac atatgcggta tctagtatgc  180
ttgactaaag tattcgtgtt taagtttgta tctgggtttc ttgttggaat attctgtgcg  240
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atattatgtc atgttcgtgt gtgatcattc cactattaga gaaagcacca tatgtaccgg  360
ttgagaattg gctttaaaga ggagatttta gtaccggttc ttggtatgag ctgatactaa  420
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gatcagtaat aatactatgg ggtaccatta acgtgggagg aaagtataca ttctattatc 180
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atgctactag tactacttgc atcagttttg ctgtccact atttccgaag cttagcctcg 180
caaggtttct gataccaaat tttgacctg ccaaagtgtt tgttacctcg tcatgcacac 240
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acgtagccga ggtcctccta ccttgggcaa taccgccctt gacatgagct gtccgtcaac 180
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ccgcaggcca ttaccatgc atattcacia agtttgatag tcgtggctgt aaggagtgtc 300

cgctcgtcag gcctcacaac ccatatggag ctactacatc catgctgtat aagctgccga 360
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 tcacggtggc accgcttgcc atcgcgtccc tatcttcagg ccccgggcgc ggtcttgccg 360
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acacactgaa cccaataatc cgatcccaca gaaactatta tctcggtccg tacgatcgat 180

cgctgccgcg tcgtttgcca gacaccatca acacccAAAA ccatgggtcta gaacctgact 240

cagtgcgcca tcgacgacg 259

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H6

<400> 23823

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ctttctctgc taccttatat cttttctata gtttcatcta ttttcttttc tgtccccgtt 180

tttaacaac gtcccctctg ttaacccctt ctcttccctt tttttaatcc ttttacttca 240

tatacccttt tctaattctc tctttatccc taagagcccc tcctttttct ctctcccaaa 300

cttattctca ccttgatatc aatgtttcac cct 333

<210> 23824

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G1

<400> 23824

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gagaaataaa tccaacaaaa caggtttcca cactaaaaat aaccgggat aggtgcatcg 180

tcatcccaca gttccttgaa ttactcatg tccatctctg ctgactcctc cggcatcttt 240

tcttgcatag cctgagactc ctgcattttt gacacgacag tgaaaatcct ctggtactga 300

tctcttgctt ccgggtactg agccatggac ttcactcttg caagagcttt ctggagccgt 360
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tggatcgaac t 431

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<212> DNA
<213> Zea mays
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<400> 23825

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gcgcacctct tctttcccat cctccttata tccaccgcgc ccgccgtgcg ggccatcacc 180
gacgcgctcg gcggccccgc atacctccag gaggcgtgca acaagacgct gttccccaag 240
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cgccggctgg ccgagctgct cgtgtacgtg tcggccgagg tgggcatgac cgtggccgcg 360
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a 421

<210> 23826
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<212> DNA
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<400> 23826

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caactattat ttccgatctt atatctctcc ttcactctca aaactctggc gatccccaac 180
tcagaagcca ttcaaagatt cccactttat gcctgaaacg cgactgtgtg aacaaagg 238

<210> 23827
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<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G2

<400> 23827

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tagaaagatt ttcatgtgat ttcttaaggt gggtttagagg aaatagtctt ttagggaagt 180
gagctgaagt gttataccgt agagtgcct gattacacaa aatcaggggt tcagtgtttt 240
tcttcttctc atattcaggg atgagggagt ggactacatg gcttataggc tgaacttgca 300
cagtgaagta cttctgtaaa actcatagt cttctaaaat caaaatattg agaggaaatt 360
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atat 424

<210> 23828
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G3

<400> 23828

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gcagtatgcc atgattgtac ctcttgagca gaagttaa atgctctgga gcttcattaa 180
aaggcatcta aattcaaaga cgatagtctt cttatctagt gtcaagcagg tcaaatttgt 240
ttatgaaatt attaagaaac ttctgtctag tattcctttg aaatgtatgc atggactgat 300
gaaacatgtg gtacatgagg ccatagttgc agatttcaat gaagctacct cagagctttt 360
ctcaactgat ataacatctc gaggactaga tataaagatg t 401

<210> 23829
<211> 267
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G4

<400> 23829

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cagcatcaac gatgaccgcc actgctccat tgacagcgtg catgacgagc cgcttcatca 180
gctccacgat tactataacc ccgagatcgt ccccgtaag atcatacacg aggacacgtt 240
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<210> 23830

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G5

<400> 23830

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tggttctgctt ctgcatgcct ttggcgtaat gtaaacgaac gctaaggttt ctgtaatttt 180
gctgctgtcg cgctggcagt ttggttccag atgaaaaaaaa aaaaaaata ttagat 236

<210> 23831

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G6

<400> 23831

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ccccgccgcg aatctagggg tgcttcgcc tcgccccctc ctcccgagac tcttagcggc 180
aggaattagg acgagggtaa caggcgacag atgctgcgaa ggacgcccc tgtcgaatgc 240
gccggcgacc gatccgtgga ggagcagccg gagcacgcat gagttgaagg gcaagctttg 300
aaaatgtcat ccaactgtgcc gaagtcacat aatatcttct ggcatgattg cctagttggc 360
aagactgac gccagatact actcaaccag aaaggctgtg ttgtctggat cac 413

<210> 23832
 <211> 251
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G7

<400> 23832

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 ctagtaccgt gactttaata atgcatcaca cgtcaaata actatcgata ttaaacttat 180
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 aaataaccct t 251

<210> 23833
 <211> 228
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G9

<400> 23833

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 tctgtttaac tacatatcat ctcatgtact ccattcaat actcaactcc taatccaggc 180
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<210> 23834
 <211> 438
 <212> DNA
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<223> Clone ID: LIB3066-015-Q1-K1-H10

<400> 23834

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<210> 23835
 <211> 192
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 gaagctttgc tt 192

<210> 23836
 <211> 407
 <212> DNA
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 <223> Clone ID: LIB3066-015-Q1-K1-H12
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<210> 23837
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H2

 <400> 23837

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 agcgtctact ttcttgtcat ataattccaa tcccttgact tcaattaaca ccgtcttcta 180
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 ttatagtaca tggcacgctc ctctttcatc aatattt 337

<210> 23838
 <211> 338
 <212> DNA
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 <223> Clone ID: LIB3066-015-Q1-K1-H3

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 cggaaaaggt cgttgcaaat tcttccaggc ttgcaaactt gagttggtca ggaagtttca 180
 gtgatgtgtc ctaatttggg agtacgtact tatatttgtg gtagctggag tgtttgggtt 240
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<210> 23839
 <211> 375
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H4

 <400> 23839

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tcaatgatgt gtcctaaatt aattaatacg tacttatatt tataaaaaact ggagtgtaaa 240
aaccagtttg ttgcaaagcc taatttgata ctggtataaa ttgtattttc agattggaat 300
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ttggaacgcc ccttt 375

<210> 23840
<211> 335
<212> DNA
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gccgtcgact tcgggccctt cgtcagcagc ggcg 335

<210> 23841
<211> 389
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-H5
<400> 23841

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acaatcaaat tataaaaatt tgcaagttca attacaccaa taaaattatt ttactaagga 180
aaaattaaca aaagtttaaa gaaaggtaaa aaaccgagga taaaataatt aaagccttca 240
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ttatataatc tgaatacaaa ttttatttta caaataaaac ttaacattaa tctaaaaaaa 360
aacaattgaa taaaatttgg ttaatttat 389

<210> 23842
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E3

<400> 23842

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cgcctctcaa atcgtgctac tccacgtggc cgtccattac cacacgaccc atgggttcgc 360
catggttgaa accacgcatg gtgcgctgga ggctgaaatg aaggagatct ttgtccccta 420
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<210> 23843
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E4

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<210> 23844
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E5

 <400> 23844

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 aataatccga tcccacagaa acttttctct cggtcctgttc gatcgatcgc tgccgtgtcg 180
 tttgccagac accatcagca cccaaaacca tggcctgcaa cctgggtcag tgcgccaccg 240
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<210> 23845
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E6

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 ggccggtctc acggggcatt tcgcgggggt ggtcgatctc tccccgctca ttctgtcaag 180
 ggattgggtcg gttgccgatt ccgtgcggcc ggataactcg gatttattca gtttttcggg 240
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<210> 23846
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E7

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ccaaaggcta ttcattcttc caaagccgtg ggagagccac catttttctc aggttccgcc 180

gtcttatttg cgataaagga tgcgatctct gcggcaaggg ctgaggtggc gcacttggac 240

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atta 304

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<212> DNA

<213> Zea mays

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gctcctccca acaaggcaac aacaatctgt tccggccgcc aaacaaaacc aaaaaaaaaa 120

cacactgaac ccaataatcc gatccacag aaacttttct ctcggtcctg tcgatcgatc 180

gctgccgtgt cgtttgccag acaccatcag caccctaaaac catggcctgc aacctggctc 240

agtgcgccac cgccgccgcg gcgaccgtcg cgccccgcac ccctcgccct gctgcgtccg 300

cgtcctgtct cttctccgcg aggaagccgg cggtcggcag cctgcggctg cagcggcagg 360

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<210> 23848

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E9

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gcgtgaagcc cgccttgacg ctggaggaaa agggggagct ggagaaggag gtgtgggcga 120

ggttctacgg caccggcttt tggaggagcc cgtcgcagct ggacgacaac gacgacaggt 180

gatcgggaca ggccccgcgag cgagctatcc acaagctcct ccggcgatgc gtgggcttcc 240
 ttcgttttcc gcggaagaa gagaggatcg aggaaaggga aacatgattg tgtgttcgat 300
 actacgatta cgaacttcgt tttcccttct tttttgtttg tttggaaggg gaaatacttc 360
 tcttctattc tacaacaatg tcacgtacat gcaatgtaat aataaaaaat gtatgtgata 420
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<210> 23849
 <211> 468
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-015-Q1-K1-F1

<400> 23849

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 gcaaaggcct acgaagcctt gtgcttactt caacagcgcg agaggatgcc ggaacgggtgc 180
 gaactgcacg tttctgcacg atgtgtctgc cgcgaggaaa gaacagtcaa agggttccaa 240
 aaggattaag cttgacagca gaatagccgg gcggtattga ggggctgctg ccgccggttg 300
 atttttgact gttcttttgt tcaaaatcct catttcgccc tttttccct taaaaacgt 360
 ttcagtaaatt attgcgcccc agctccttgt ttctttcact tagccaattt ctctntgttg 420
 actaaatgag gtgtttttaga agaaagaaaa atatcccacg atttattg 468

<210> 23850
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F11

<400> 23850

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 ctccgccccg gcgcgcccc cgcgccgct cgtgccgggc tgccccgcgc tcgggcctgt 180

ttcgcgccccg ccataccgcac ctcccccttcc gtcgcctttt cctaccagcc tcggcgcttc 240
 agtggcatcc gccgcgcgtt ggccgtcgac tccgagcagg gcttccccga gtccccagag 300
 caggagaaga agcccaagac gtactacttc ctggtggcaa acgccaagtt catgctggac 360
 gaggaggagc atttccagga gcaactcgcc gagaagctgc gcaactacgc cgagcgcgac 420
 aaggagcagg atttctgggt cgtcgtggag cccaag 456

<210> 23851
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F2

<400> 23851

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 caagcaaagg cctacgaagc cttgtgctta ctataacagc gctagaggat gcctgaactg 180
 tgctaactgc acgtttctgc acgatgtgtt tgccgagagg aaagaacagt caaaggattc 240
 caaaaggatt aatcttgaca gcataatagc tcaacgggat cgaagggctg ctgccaccg 300
 ttgatttttc actgtttctt ggttcaaaaat cctcatttcg aactttttcc ccttaaaaaa 360
 cgtttcagta aatattgcgc cccagctcct tgtttctttc acttagccaa tttctctttg 420
 ctgactaaat g 431

<210> 23852
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F3

<400> 23852

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 gagagctgct ggaaggacga cgaccaccac cctatctgct tccccgaaga ctgcgtggcg 180
 acctgccagg atcacggcca cgcggacggc cgctgcaact gggcatggct gtggaggccg 240

tattgccagt gcctgttggc ggactgccaa taggcgcgaa cagctgcgtc gcatggcgtc 300
 ctggctgcct cgccggccga tgaaggatga acggttgccg ccgatgatcg atgtgtccgt 360
 cggcatgtcg atcactcatt gaaaccccct ctaatcctgt gcggtattat tttcatggca 420
 cctgtggcca ttaaagatcc atggacacgt acagtaccaa tacat 465

<210> 23853
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F4

<400> 23853

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 cgccttcttc ggcgctctgga tgggccccgg gaagtggctg ccggagggtga ggaagacgta 120
 caacctgctg gacacggcga gccggcacac gatccatgtg taccgcgggt catggacggc 180
 aatcatgctg acgttcgaca acgcgggcat gtggagcgtg cattccaaca tctgggagcg 240
 gtactacctc ggggagcagt tctacatcag cgtcgtctag ccagctcgat cactgcgcga 300
 cgagtacaac atgcccgaaca acgccctacg atgcccgaag gtcgtggagc tagccgtgcc 360
 gccgtactac gctcactcgc gctaagacga 390

<210> 23854
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F6

<400> 23854

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 gagggcgact accacgcca cctccgccgg ctgctctccc gggctttctc ccccgaggcc 120
 atccgcggct ccgtgccggc catcgaggcc atcgcgctgc gctcgctcga gtcctgggac 180
 ggccgcctcg tcaacacctt ccaagagatg aagctgtacg cgctgaatgt ggcattgctg 240
 tccatcttcg gcgaggagga gatgcggtac atcgaggagc tgaagcagtg ctacctgacc 300
 ctggagaagg ggtacaactc gatgccggtg aacctgccgg gcaccctgtt ccacaaggcc 360

atgaaggccc gcaagcgctt gggcgccatc gtggcccaca tcatcgaggc cgggctcgag 420
ggctagcggc 430

<210> 23855
<211> 58
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F7

<400> 23855

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<210> 23856
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F8

<400> 23856

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tatgctgttg atgtgtcaaa ttcaaaaaaaaa aaaaaaaaaa aaaaataaaa aaaaaaaaaa 120
aaaaaaaaag aaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa 180
aaaaaggggt ttccctttta aagaaccaat ttcacaaaat ctttcattta aaggatttaa 240
ctctttttaa gttcacctat aattgaatta actgcctggc ttttaaaaat ctactctacc 300
aaaaaaacat gttttttt 317

<210> 23857
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E2

<400> 23857

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gatttcctac cgccgtcgct gcagctccac ccattccgt cgacaccatg agggagtgc 120
tctcgatcca catcggccaa gccggtatcc aggtcgga aa cgcggtgctgg gagctttact 180

gcctcgagca tggcattcag gctgatggtc agatgcccg tgacaagacc attgggggtg 240
 gtgatgatgc tttcaacacc ttcttcagt agactgggtc tgggaagcac gtccctcgtg 300
 ctgtttttgt tgaccttgaa ccaactgtca tcgatgaggt gaggactggc acctaccggc 360
 agctctttca ccctgagcag cttatcagt gcaaggagga tgcagccaac aacttcgccc 420
 gtggtcacta caccattggc 440

<210> 23858
 <211> 172
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C4

<400> 23858

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 gggttgtggc aatatttgaa gaattaacaa aatgtaaata gctttggcag ttactttacc 120
 ctttttagatg taacaaactc atcccgttgg ttacatgtac cttgttttat tt 172

<210> 23859
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C7

<400> 23859

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 ggatcgctcc ctaccacttc gacttgagcg gcaaggcctt cggctccctg gcaaagcccc 120
 ggctcaacga caagcttcgc cactgcggca tcatggacgt cgagttcaga aggggtgcgg 180
 gcatgtaccc cgccgggcag aagattgtgt tccacatcga gaagggtgc aaccccaact 240
 acctggccgt gcttgtgaag tttgtggcgg acgacgggtga catcgtgctg atggaaatcc 300
 aggacaagtt gtcggctgag tggaagccca tgaagctctc ttgtggcgcc atctggagga 360
 tggacactgg caaggcgc 378

<210> 23860
 <211> 333
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C8

<400> 23860

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ggtagatatt aaaacttcac ctttttgaat tgactggcac tgctagcaca ctatgctata 120

tctagacttc acacatcttg tcagggtgatt tacttgcac ctttacctaa aagaatacca 180

cattgacctc taccgaaact ggatccactg taatctgctt aatttctcta aatccaacca 240

ctttaatgaa ctcaacatta catatcattc ttaataccca aacttcactt cataactcac 300

tttaacatga catgcaatcc aattatcaaa cat 333

<210> 23861

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C9

<400> 23861

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gcctctggga ctgggttctac ggggtgctgg cctccctcgg cctgtggcag aaggaggcca 120

agatcctctt ccttggcctc gacaacgccg gcaagaccac gctgctccac atgctcaagg 180

acgagcgggtt ggtgcagcac cagccgactc agcaccgcac gtcggaggag ctcagcatcg 240

gcaagatcaa gttcaaggcg ttcgacctcg gcggccacca gatcgcgcg cgcgtgtgga 300

aggattacta cgcaaagggt gatgctgtag tatacctggg agatgcatat gataaggagc 360

gatttgctga atcaaagaag gagctcgatg ctctcctgtc tgatgattct ttggccaatg 420

ttccatttct catccttggc aa 442

<210> 23862

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D1

<400> 23862

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gcacgaagat tggcacccca ggatcatcca ccgtgacatc aaggcagcca acatccttct 120
ggacgagaat ttcgaggcta atgtcgcgga tttcggactt gccaaagtga ccacagacac 180
caacacgcac gtcttcactc gtgtcatggg aactttcggg tatttttccc cggagtacgc 240
gtcgagcggc aagctcaccg acaagtctga cgtgttctcc ttcggcgtca tgctcctgga 300
gctcattacc ggcaggagac cggttgatcc cacgaactac atggaggaca gcctggt 357

<210> 23863
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D10

<400> 23863

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cggtcgaggg agtccaggct gttgccagcg agcgatggct agcaacggct cgtcgctggt 120
gcgccgagcc tgctcaactg tgcgccgaat gcctagttag aagaagcggc tcgtcttatt 180
cgccgtcgga gttagcact tatcttatgc ttgtcaagat aatcgagctc ttcaaattcg 240
tgatgttact ggaacaaga agaaggcggc tatccttgga actggatgga ctgatgcaag 300
ttcattgaga aatatcgaca catctttgta tgatg 335

<210> 23864
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D11

<400> 23864

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gaggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag gggacgcca 180
taaaaaaac catgataaat gccccaacta ttgaaaatct aaagcattca aaggagacca 240
aaaattaaaa gaaactggac tctttataaa aaacataata gataaaaaaa cgatatatact 300

acgcaatata accgtgaaca aaaaaatcat cattaataaa aacgcataat taaaaaaagg 360
gcaaatacat atccccctac 379

<210> 23865
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D12

<400> 23865

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cacggttctt gtggtggcaa gatcgttgcg ggttccagaa gaaccctcaa atgcggatga 120
cataagaggt gcttgcacg acgagtgac cacagaaaat aaggctcctg gcgacaagaa 180
gacatgcgaa gtgttggtgca ccaagctcac aaaaaagcct accgaagaag gcaaactga 240
ttgatgaagt accactccga taatatatac cctagtggat cagtgggtcat cttttagacc 300
atgtctgcca cacgatggcc ttgactatat tgacttatgc gtatgtttct ggttttact 360
aatatcctaa ttcgctagcc atataaccta atttactca aagcatttta tatgcttcac 420
ttaattaaat aaatac 436

<210> 23866
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-D3

<400> 23866

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ggacgccgga gctcgacgag gacgaccgac gacgcacgca gagatccggc gtactgcaaa 120
ttttgaaaac tgaactgtaa gatggcatca gcagagcttt cccgtgagga aaatgtgtac 180
atggcgaagc tcgccgagca ggcggagagg tacgaggaga tggttgagtt catggagaag 240
gtagccaaga ctgttgactc ggaggagctc actgtggagg agcgaaacct nctgtctgtt 300
gcatacaaga acgtcattgg agcccgcgc gcctcatggc gcatcatctc ctncatcgag 360
cagaatgagg agggccgagg caatgatgac cgagtaacac tcatcaagga ttatcgtggc 420

aagattgaga c

431

<210> 23867

<211> 142

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D4

<400> 23867

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ttcggctctcc tgggctctac tctactatc cactacattc ccatatatcc atcacactgt 120

acatttcgaa aactatacta ca 142

<210> 23868

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D6

<400> 23868

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ggtcagaggc gcaatcggtc attttccaca tgatgcaata agcaagaaag taatgggtgaa 120

tacaaagtgc agtactcgtc ctcgaccttg aatcgcattha ctggacctgg agccattgca 180

gatagctctt gagccttacc ttgatttaat ttacctgggt tttgagagac tatctatgaa 240

tatgctaact cgttcgtaaa gtatcttttt gtcccaattt tgattgatgg agctttaagc 300

ttgcttttct gtatgcaata aaaaaactta tcacattttt ctttc 345

<210> 23869

<211> 398

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-D7

<400> 23869

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ggttgaaact gctgcagatc ggcaccctgg agttgagcag tacgctatca ggtcattcgc 120
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 taccttgacc atggtaaaag ctcagcaagt taaggagagc aacccccact gcggcataga 240
 ctgcaacgat gtatgcacca tcgacatgaa agagcagaac gtctttgaga ccctgattgg 300
 caagcagcag cagatcctgc tggccactca ngtggtgaag atgatcctga agatcgacga 360
 cgtcatctca ccgtccgagt actgatgaag cctgaagg 398

<210> 23870
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D9

<400> 23870

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 aactcgctgg tgatggactt cgtgaacaac ggggaggtgt ccgggggtcac gctgctcaac 180
 tccaagttct tccacatgaa catgtaccag tgcaagaaca tgctgatcaa ggacgtgacc 240
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 atcaccatca ccaacaccgt cattggcgctc ggcgacgact gcatctccat cggccctggg 360
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<210> 23871
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E1

<400> 23871

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 acctttccat ctgtttgtcg agtaciaaata tcaccccaaa tttgcaagac caatataacg 180
 ccatacgata tattgtcaac cacaacaggt acaacataat acaactctaa ttcaacaaca 240

atagcccacc tgttgctata tccgacgtgc tctctagat aacttagcgc gctctatata 300
attcttgtt 309

<210> 23872
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E10

<400> 23872

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gctgtctaca ctctgttttc gtctgctccc tcgtccaagt atatcaacgt agcaagggtg 120
tttaatcaca ttgatgctct cgtgaggctg agcgggaatta ctgcagaggg ccaagggtgtg 180
aaggttgaat cctcagcagt tccttcagcc ccaactccag atgttgctga agcacaggcc 240
ccagctgctg aggaggagga cgatgatgat gttgaccttt ttgggtgagga gaccgaacat 300
gagaagaacg ctgctgaaga gcgtgctgca gctgccaaagg cttctggcaa gaagaaagaa 360
tctgggaagt catcagtttt acttgatgtg aagccatggg acgatgagac tgaca 415

<210> 23873
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E11

<400> 23873

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gtgtctctgg tcatgtgtaa' caatcaaacc ttccataact ttc 103

<210> 23874
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E12

<400> 23874

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gcactcgacg tactacggcg ggcgcgacgg gttaactgac accacggacg gcggctcgtg 180
cggctacaag ggcgagctgg ggaaagacta ctgcaccctg acggcggccg tgggcccgtc 240
gctgtacacc aacggcaccg ggtgcggcgc gtgctatgag ctcaagggcc ccaagggcac 300
cgtggtggtg acggccacca acgaggcccc gccgccggtg agcgggcaga agggcgagca 360
cttcgacctc accataccgg cgttttctcaa gatac 394

<210> 23875
<211> 372
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-C3

<400> 23875
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cgcttggtgc tagccctcgc gctagtggcg gccaccgccc cacaggtagc ggaggcaaag 120
aagaagagag cggcggagag cggcgaggcg gcggaggcga agaagatcca ggacgacttc 180
tgctcgacgc tgtgcgaggg caagaagggg acggacctgg tcgtgtgcaa ggagtcctgc 240
gcgctctccc agcagtccaa cctggtgctg tacggcagga tccagtgcaa gggcaagtgc 300
accgagcaga agggcatcac ggcgccggcc atgaaggtct gccaaagga gtgcgacaag 360
gcgtacgtgg tg 372

<210> 23876
<211> 306
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-B10

<400> 23876
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gtggactagc acctgatgtg cgagatcgag ggccaccacc taacgtcggc ggtcatcgtc 180
ggccacgacg gcgcaacttg ggctaaaagc accgggttcc ccgagtccaa ccccgaggag 240

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ctggga 306

<210> 23877
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B11

<400> 23877

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gacatttgcc tatgttacaa gtatctactg atgtattatc ttatctaaca tttacagaaa 120
gatctacata tactattacc tgatcttcta aacctatgca aaactactct tatccacatt 180
cataataaca aactattgat acacctccat tcaaagcacc acctcaactt aaatcaactc 240
atcatctaca agatcaattt taaagcattc aaactagacg ttcaacatat ctctctcctt 300
atttttaatg attactactc aaatcttgat gatgtattat acattttaaa tt 352

<210> 23878
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B12

<400> 23878

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caggggggggc cggaaatcaa cggccattgc ctogattccc gcgaccacct tcgccgctcat 120
cttatccgtc ctcttctgtg ccgcggttg caccggcgtc gacaaccaac ttcccgacta 180
cctcatacaa ggccgcgtct actgcgacac ctgcgcgcgc gggttcgtga ccaatgtcac 240
cgagtacata tcgggcgcca caatgaggct ctagtgcaag cacttttgca ccggcaaact 300
ctagcgcttc attcaacggg tgaccgacac c 331

<210> 23879
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B2

<400> 23879

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tgtgtcgtgc atggtgagaa ggcaaagtca aaggacaacg atgcaaaagc gttcggggccc 120
gggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac ggatagcacg 180
aaggctgtgc aggaggcgtg ggcatcagcg tgcggctgca ccggtaaagca gacgatcctc 240
atccccaaagg gcgacttact cgtcggacca ctcaacttca caggcccatg catgggctac 300
gtgaccatcc aggtgaatgg caatctgctg gcgaccacgg acctaagcca gtacaaggat 360
catggtaatt ggatcgagat tctacgcgtg gacaaccttg tcatcaccgg caagggaaaa 420
gc 422

<210> 23880

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B3

<400> 23880

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gacgaccccg gtctgcttgt ccttcctcaa tcacctgcag cgaaaaggaa aagggtgtca 120
gaccgcaact aagagctatt tagcaataat acatacatag ctataccctc tttagggtcaa 180
gagggtggag ttctccttat tcggaggaag agctccatcc tcattctaca agaccaaacc 240
aataaatggc ctctagccca cagtccctcg catcatactc caagaagtcg ccgccaccac 300
aagaagcatc agctttggcg ccaaaatcat cttcaaagtc accctcgcca ccaaagggtg 360
aatcaaattc atcgtccagt ccccatcg 389

<210> 23881

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B4

<400> 23881

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 ggggaaccgg acctcggtgg tggatcatcg gggtcgcgga ggtctactgg atgggggtcta 120
 gaagtatccg ggcaagtcgt ctctgggaac cctgcttatt gctcgccgat atgttttcag 180
 gcgtcgcgat gcagctgagt gccatggctg ggtctcattg cctgtctcaa tagagggtgag 240
 gccactagga tctgaagaat caccctggta actggaatct caagtgccag gtgtgacagc 300
 cgacgtcgac ccgagacttc aacgtcttcc cgtcgtcttc catgtgtctc cgggttcgca 360
 ctcatggaga agaataagg 379

<210> 23882

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B5

<400> 23882

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 ggttaaaaga agatcggcgc catggcggca acgacgacga ctgggatgca gatgatgcag 120
 gtgcagcagg cggcggcggt gctgctgtgc ttggttgtgt tggcggcgtc tacgcgggtc 180
 gcgctgggca actgccgca cgactgcatg gctgcatgca acggctggac catcgtctgc 240
 cagctctcct gtgccagcgc atgctacgga gaagtcggga tcacaacctt aggtacgtcg 300
 gctgtattag cgaaagcaga agcgcttgca tcagcaccac atgcagcaca ag 352

<210> 23883

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B6

<400> 23883

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 gaggtcttct catgcagcag actaacgagg gtgcttccag tgagtgccca caatcccatc 180
 tatctgaaga tggatgccgt tgcaggaaat acccatgctc ttcacttctg atcggggtca 240

acagcagacc aaaattttcc atctcttgca cttgagttcc tcatcgacat ttgcagacta 300
ctgaagcaga tggaactcta aaagaagtgc tgaaagagac gaaccatctc ttgtatgtga 360
tatgggtggtt gttgagaaag taggagcaag cctgtaactg tagatgtaac caaccttgat 420
ggttcctgcc caagagttaa attgtacatg atata 455

<210> 23884
<211> 353
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-B7
<400> 23884

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caggggagtt cagccgttcc tgttcctgat aaaacgagag aaggatggca gtgtctcagg 120
gagctgtcct attcttgttt ctctcctcgc tcgcagcata tgtgggaacc atcgatgcc 180
aaatgggagt agccatgccc atgcatgcct tgataatgga gaaagcgaaa catcaggaga 240
aggagaagaa ggaggagaaa agcacggaga atgaagagag tcaatgctta tcgccgagtc 300
ttcagttcga gggcttctgc ttcaacagcg acagatgcgc cgaggtgtgc atg 353

<210> 23885
<211> 459
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-B8
<400> 23885

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aggctcctct ttcctgtcga tgcaaggaca acaatgctgc ccatgccagc gaagctctgc 180
gtcgcgctaa gttcaagtgc cctggccgcc aaaagatcat tgagagcaga aagtggggct 240
tcaccaagtt cagccgcgct gactacctga agtacaagag cgagggtaga attgttcctg 300
atgggtgtcaa cgcatagctg ctcggaacc acggcagact tgagaagcgt gtcctgggga 360
aggctttcct tgatgccgtt gcttaagtgc tgatgcgaat nctgacgttt tgcttttagcg 420

tatcttaact tgtttcgtgg aacatgaatt tcaagtgtt

459

<210> 23886

<211> 458

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-B9

<400> 23886

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cgcaggcccg ccggcgacga tcgaggaggg aggaaccaga gaccgcgcgg cggcgacgat 120

ggctccgcgc agctcatcgg cggcgacgtg cctgtgcctc gctctcgccg cggccactct 180

ggcgctggcc cacggtgcgc aaggaggagg accatcggca tcggcggcgg acctggacaa 240

ggtcacggcc gagaccttct tcgacatcga gatcgacggc aagcctgcag gccggatcgt 300

gctgggactg tttggggaca ccgttcctaa aactgcagag aacttccgag cactttgcac 360

aggggagaaa ggaattgcc agtccggcaa gcctctgtgg tacaaggngt cgacgttcca 420

caggatcatc ccgggggttca tgatccatgg aggcgact 458

<210> 23887

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C1

<400> 23887

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catggatddd tggacagtcg tagacgagca agcaaccgag gaccccgata ctcatcaggt 120

ggataatact gagcaggagc tcgttgaagc cccccattc ccataccctc ttggacgatc 180

ccatacgatc tactttcttc tcaagcactt gcagccacac atcataccct agccccccca 240

tctactgtc ccaaggtgcc attcgttgcc gctcggatct ctgtcgcgtg gtgcaaactc 300

tcaacggttt ccggtggagg gaggaagga ggaaaggagg aagaaaaggg ggagaacca 360

aagtggggga cttccggatc gtacttaggg atttgccga acttcccga aaggtacttg 420

atacatgttg ggaatg

436

<210> 23888
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C10

<400> 23888

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gtgctttttc gcgggattac attagaaatc agatagaaat gtatagttat tgttaccttt 120
ttggaaatac atggaggaag gaaactgttc aagggtgaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaagggggg gcccttttaa agggatcaaa gtttatttcc ccttccttcc 300
aacataaaac cttttttata ggtcccgaa attaaattca agggcccttg ttttaaaaaa 360
ttagagattg gaaaaacctt ggttttccca atttt 395

<210> 23889
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C11

<400> 23889

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ggaaggaccc ccagcgatgg gctccggcga ggaggacaca ggaggcggag gaggggcggt 120
gcggtgcgcy gtgctgaagg cgctcgtggt tgtcggtcgc gtactgccgc tccgtagact 180
gcgccggtgt actacgcgga acgacctcgc actagccgac accgactcga tcgataaaga 240
gcggtgatcc ttggaacata cacactcaca tgccagatcg tttgtggact ctagaatgct 300
tgcacggata tgaacattga gcgtgcatga tgtaagtatt gcacgctcct tgtaagct 358

<210> 23890
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C12

<400> 23890

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gcagaacgtg atcctgcaca acctgcacat ccacgactcc aaggcgact cgggcggcat 120
gatccgcgac tcgaagcggc actacgggct gcgcacgcgg agcgacggcg acggcgtctc 180
cgtgctgtcg tccagcaacg tgtggatcga ccacgtgtcc atgtccagct gctccgacgg 240
gctgatcgac gtggtgaacg ggtcgacggc catcaccgtg tccaacagcc acttcaccga 300
ccacgaccac gtgatgtgt tggcgccag caacgacagc ccgcaagacg cggatgatgca 360
agtcacggtg gcgttcaacc acttcggccg cgggctggtg catcggtatgc 410

<210> 23891

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C2

<400> 23891

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gggtccaagca aaaactgcat tcatgttttt gcttgtacac tgcaccgtac tcatattggt 120
tttagcagta agagcgtgct tatgggtgca aaatgtcata gtgaaagatg ttttattgca 180
ttgcatttag ttaataacat gtcattcaaa gttttgtggt aaaatttctt ctgacctgga 240
tatggcgcg gaaatttgaa cggtcctatg ggagaattat accagaaaag agaagggtat 300
gcgttactag tagcttcccc caaactgctg gcgctatgat caaaatgtgc tttcccaatt 360
tagccactgc atgttgccctc ataattttcta gtttttcgat atctgacaat gccctgaccg 420
ccgcggaatg tcacgccaac ggacaccgac a 451

<210> 23892

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B1

<400> 23892

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ctcgggtgctg gattttgtga cgaacgtcca gatccgcggc atcacgctgc tcaacatcaa 180
gttctttcac ctcaacatct tcgagtgcaa gaacgtgctg atcgacaaag tgacgggtcaa 240
ggcccccggc gacagcccca acacggacgg catccacatc ggcgactcca gcaacgtgac 300
catcagcagc accac 315

<210> 23893
<211> 480
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H6

<400> 23893
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agcagccggc cagtgcgcgc ggttgcgttg catttgcatt gctgcgcgct gcgctctggg 120
agcttgcaact agcgggtctg cggcctatgc ggggggcac ttacgagtgc gtgcgtgtct 180
gttcaagctc tgatcgtctc tccggcccat tcgccggagg aaactgaccg acgtcttctc 240
gctctcgtc tetaccctat tcccggggct gaaaggggag gagagaaggc cacgtccaca 300
ccataaagca ggacggtaca gacacgtgta cgagggggat cacggtcggc tgaagcgact 360
aagctggcgg acggaacgac gacgatggcg aggagcggcg gcgggatgga aggcagctgc 420
gggctgaaga acgggccgtg gacgcaggcg gaggacaagc tgctgaggga ccacgtgcgg 480

<210> 23894
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-H7

<400> 23894
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tgcagaagtg cgagttccag gccgaggccg cgctccggga ctccgggcgc ccgcccattc 120
gcaactacct gggccggcgc tggcgcgagt gctcgcgcac catcgtcatg gagtcggagc 180

tcccggactt catcgacaag gcgggggtact tgccctggaa cggcgacttt gggctcaaga 240
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 gnctggggcg gggttcaaga aggtgatcag caaggcggac gccaccaagt tcacggtcga 360
 gaacttctcg cagccccagc catggatcga tcccacaagc acgccgtga agtacgacct 420
 gttcacatga ggacacagct ggaccgggga tcggatcgg 459

<210> 23895
 <211> 481
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-H8

<400> 23895
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 ggctgcgaga tgatgattac aatcgcaaca gggataggga caggagagg gatggtaggg 120
 aaagggagcg ccgagacaga gaccgtggca ggcacaggag ccgctcaagg agcagagatc 180
 gacgggacag agaccgtgaa gatggagagt accgcaggag gcgtggtcgt ggcagtgtga 240
 gtcctcgtgg acgtgggtgag gatggtaggg caagagagga accgaagagg aagaaggaaa 300
 agaaagagaa gggttgaagg aaatgctccg gaccgaatg accctgagat catagaaatg 360
 aacaagctac gggcctcact ggggttgaaa ccaactcaagt agtttacacg agtaatgttc 420
 aacttgacct gcaccaacc tttnttgtgc tggacttttt cagcttgatg taactaaact 480
 t 481

<210> 23896
 <211> 465
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H9

<400> 23896
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 aagtgccagc gagctaatat ttaatttttt tctttgggta tattgaggca ccacacgagc 120

caagaaaaaa gttatgctac atgtcccttc ttgcgcctta ttgcgttagg ttgatatgca 180
tgattacata gattaaata cactttttatt caagattttt tggggagaaa tatattgatc 240
tggtccacct tcattatcca gccaaagtcct ctccctcgc ctgcggttag tagcctgctt 300
ccgacccgca catctccctc cggttctcgc catgggcgcc ggcgccaaca tccacgagga 360
gtcgagcccc ctcatccag ctgcggtcgc cgccccgcg tacgagaagc ccccgaggc 420
tccggcgccg gatgccgcca attactatgc cgacggggtc ccggt 465

<210> 23897

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A1

<400> 23897

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ggcgagcagg caatgatgca ggcctaccta agggcctgcc agatcgaaca tctcggctat 180
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tccttacaat cacactcggg gctgcttgta cactgacgtg tacacgacca ccttcaatag 300
catgggcaca tgctgcatct taccaacctt cgaggattgt cagtgttgta ggtgccgctt 360
atagatcatg tgccatcagc ctgtaaagtg c 391

<210> 23898

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A10

<400> 23898

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ccgctccgct acgcccctg gccgctgtac tggatcgcg aggggtgcgt gtgcaccggc 180
gtgtgggtca tcgcgcacga gtgcggccac cagccttct cggactactc gctcctggac 240

gacgtggtcg gcctggtgct gcactcgctc ctcattggtgc cctacttctc gtggaagtac 300
agccaccggc gccaccactc caacacgggg tgcttgagc gcgaccaggt gttcgtgccc 360
aagatgaagg aggcgctgcc gtggtacacc ccgtacgtgt acaacaaccc ggtcgggcgg 420
gtggtgcaca 430

<210> 23899
<211> 460
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A11
<400> 23899

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atccccaagc ccgaggctgc gctggatcac gtctccttc agagcatcag ccgcgagggc 240
gtcgagctgc atagccacgt cgacatcagc aaccctact cgcaccgcat cctcatctgc 300
gagatcacct acacgttcaa gagcgccggc aaggatgat cgtcgggcac gatgcccgc 360
cccggtgga tcgcggcgag cggcagcacc aagctagacc tgcccgtaa ggtgccgtac 420
gacttcatcg tgctgctgat gaaggatctc ggaggggact 460

<210> 23900
<211> 408
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A12
<400> 23900

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ggcgggcctc atgcgcgact cccacgca catcggtcc cgcaccaggg ccgacggcga 180
cggcatctcc ctcttctccg ccaccaacgt ctggatcgac cacatctcca tgtccaactg 240
cgaggacggc ctcacgacg tcgtgcagag ctccacgggg atcaccatct ccaactgcc 300

cttcaccaac cacaacgacg tcatgctctt cggcgccagc gactcctggc cgcaggacca 360
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<210> 23901
<211> 443
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A2
<400> 23901

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acgttcatcg aggtggtctt cgagaacccc gagaagagca tcgacaccat ccacatcgac 180
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acgtacaacc tcttgacac ggtgagccgg cacacgatcc aggtgtaccc aaggtcgtgg 300
acggcggtga tgatgacgtt cgacaacgcg ggcattgtga gcgtccgctc caacatctgg 360
gagaggcagt acctcggcga gcaactgtac gtgagcgtca tctcgccgga agcgtcgtc 420
agggacgagt acaacatgcc cga 443

<210> 23902
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A3
<400> 23902

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cttgatgggg cgcagacctg ggcgtcgcgc agccgcctct cccacgtggc gacgttgcgt 120
gagcagtgct ggagacgaca tcaggagtgc ggaaggtgga ggggaatcaa cactgcatt 180
ggtgtagatt ggcgggcaac ctgtccgggc tgccatcgtc ggacggcgac caaatctagg 240
cagcgcgggg gttggtggcc tccaacgagg cctctactcg actgacgtgg tggacgcgac 300
agccatcgat cgcaaggtgg agataatggt gttctcgagg atcctcgcgt tgcgcagtac 360
acatagggtca tctaattctg ggacacgcgg accgttcgag cccaagggcc ggaccgtccg 420

cttattatgg tgtccaacac acccg

445

<210> 23903

<211> 391

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-A5

<400> 23903

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gcatgggtgcg gtcctcccaa agtcccccca ggcaagaaca tcacggccac ctatggcaag 180

gactggctgg acgctaaagc gacatggtat ggcaagccga ctgggtgccgg tcccgcacgat 240

aacgggtggcg gctgcgggta caaggacgtg aacaagcccc ctttcaatag catgggcgca 300

tgcggcaaca tcccacatctt caaggatggt ctgngttgtg ggtcctgctt tgagatcaag 360

tgcgataagc ctgtggagtg ctccggcaag c 391

<210> 23904

<211> 437

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-015-Q1-K1-A6

<400> 23904

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cggcttccgc tgttcaggct ccacggtcga gccccctact gtaactcacg ctccatagtct 180

cgccgctcgc tcgccgcggc agcgcctcat cgacctcgcc cctgtgaccg tgtcgtcgtc 240

ctgagattgc gatccgtttc cgagcttcga ggaatcaaag atcgagcggtt ggcaaccaag 300

agatcaagct ttttgaggtc tacaacattg aacaccctga gcattctgtt ggtgaagggt 360

gcctttggtg taatctatgc tcangtcaag aagaagtcgt cgaggcggat ctncagaat 420

tctaagactt cgacgag 437

<210> 23905
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A7

<400> 23905

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atgagtgatg acaaccctta tggtataccc gagatggatc caacactgcg gaagcaaadc 120
cagcagtgca attggcaggt cggtaatgta acaactcctg caaattatct ccatgttctg 180
cgtcgccaga tacaccggga cttcaggaag cctttgattg tgatgtcccc aaagaacctc 240
cttcgccaca aggactgcaa gtcgaacctc tctgaatttg atgatcttgc gggccaccct 300
ggattcgaca aacaggggac a 321

<210> 23906
<211> 460
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-A8

<400> 23906

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ggcctagcta gctagccagc cttctgttag cgcggcagag atggctgccc ctgcatccac 120
cacggcggcg gcggcggcg cgctgctgct tctgctctg tctgctcgcc cgcgggcgga 180
catgtcgatc gtgtcctacg gggagcgcag cgacgaggag gcgcggcgga tgtacgcgga 240
gtggatggcg gcgcacggcc ggacctacaa cgccgtcggc gaggaggagc ggcggtacca 300
ggtgttccgg gacaacctcc gctacatcga cgcgcacaac gccgccgtcg acgcgggcgt 360
gcactccttc cgnctcggcc tcaaccgctt cgccgacctc accaacgacg agtaccgcgc 420
cacctacctc ggcgccagta ccaggccgca gaggagagg 460

<210> 23907
<211> 451
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-H4

<400> 23907

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gcttgaggatg gacgaccagc ctctcttcca tgggagaact gccattcagc tgtatgctga 120
ttacatgaag agcttcaggg agaacatggc agacttcttg gatgctgggtg tcgttgtgga 180
cattgaggtg ggacttggcc ctgctggcga gatgaggtac ccatcgtatc cccagagtca 240
gggatgggtg ttcccaggcg ttggagaatt catatgctat gataagtacc tgcaagcaga 300
cttcaaagca gcagncagaa gaggctgggc atnctgagtg ggattgcctg atgatgctgn 360
gacgtacaat gacactcctg agaagacca gttctttgcg gataaacgga cataccagac 420
cgacaagggg aagttcttcc tcacatggta c 451

<210> 23908
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G10

<400> 23908

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gcgggaacaa caagactgac agcgacgatg atgccacagc tgcgtaccac tggtagctg 120
gtcctcgtgg ccacggccat agccgccgct cccggagttg ggtttgtcgt gaccggccgg 180
atatactgcg acaactgccg cgccgggttc gagacaaacg tgtgcgacgc catacaatgc 240
gcgacagtgg atacgtactg ccgccacttg gagtcgcagc atgtccacca caaagcggag 300
gcaacgaccg cccctgctg ctgctacagg atggagatca gcggcaacca ccaatacgag 360
atctgcgacg tgcg 374

<210> 23909
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G11

<400> 23909

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ctggtcgtga ccaagaaacc accggctttg cttgggtgggc tgggaatgcc agacttatca 120

atgtgtccgg taaactactt ggagctcatg tagcccatgc cggattaatc gtattctggg 180

ccggagcaat gaacctatct gaagtggccc atttcgtacc agaaaagccc atgtatgaac 240

aagggttgat tttacttccg cacttagcta ctctaggttg gggagtaagg ccgggggggag 300

aagttctaga tacttttccct tactttgtat ccagagtact tcacttaatt tcctgcgcag 360

tcttaggctt ctgtggcatt tatcacgcgc ttatgggacc cgagactctc gaagaatctt 420

ttgcattctt tggttatgta tgggaagata gaaataaaat gac 463

<210> 23910

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G12

<400> 23910

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gggacattga gactgacacc accgacattc ctacgcgtcc tgggattgcc atcacttatc 120

attttgtcca cttaaatact cggatctcat gtagctcatg ccgcattaac cgcattctta 180

tactgagaaa tctacctatc cgaagtcgcc actttcgtac caaaaagct catttatgca 240

caagggtgta ttgcactccc tcacttagat actctagtgt gcacagtaac gccgatgaga 300

caactcctac atactgatcc ttacttagta ttatcagt 338

<210> 23911

<211> 192

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G2

<400> 23911

gcgcccacgc gtccggaggg tcgtcgctgt cgctcgtctc ttctgtggct cgtgatatcc 60

gcgggaacag tgctagttgc cgccgcggcc ggcgccaagc ggcaggcgcc ggtgatgttc 120

gtgttcggcg actcgacgct ggacgtcggg aacaacaact tcctgtcggg ggcggccgctc 180
cccagggcca ac 192

<210> 23912
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G3

<400> 23912

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gagagcaaag aaccaggtgg atccatgcct taccaagtgc aatttgaaac gatgcggatg 120
cagattaaca cttttcaact tgaaaaataa actaatggca gttcgaatgt tataataccc 180
tgtaaactct caaattcagg tggctgcaag ttctgcttcc gaaggtgtct gcatgagcga 240
gctgaggcaa tggaacgagt tgtatggtga aggaggctcc agaaagaagg aacaattaac 300
atancttcct tctgagcaat atgaaaatct atggaccatc acacgcaaaa atgtatgggc 360
attttgaaaa gtatagtgc caaaatagtc atgaggaaat aggccgaaca tgtatgagaa 420
ctttgggaaa cgcgggagtg 440

<210> 23913
<211> 417
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G4

<400> 23913

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ggagggttaga tgatcagggt cattttgtgt gaggatccag acgcaggagg atggctctca 120
agaagttgct gcagctcttt tgtgtcggaa agaaggattc caagaagaaa ggtaaaccaca 180
tcgatccact ctggcaagcc tctgcctccc gctcctctgt gaatgtcact gcaaacaaga 240
ctcatttgga tccctgttca agtggggaatg aactgtgaag cgtgcaaaac catgaagtgt 300
aatcctcaag tacgggtttt cctcgtgggc aaggacagag catggaactg agattactca 360

tcatacgccc tttagtcana ttcgatgtgt ccaagaattc tcggatcacc actatgc 417

<210> 23914

<211> 357

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-G5

<400> 23914

gcgtccaccc acgcgtncac ccacgcgtcc ggattcatgc aaagaaaaca acgatccgtg 60

tccagtanac agggagatgg gtgacataga ataatgcatg aagaattgcc aaaatcaaaa 120

accacatgct tcttcattag ataataaatt cagagaagaa attatcacag tattagagga 180

aagcttggac ttatgggtga gggtcagtac atcatatcat tatatccata aattccaaaa 240

gacatttcat aaagcaaac ctgaactaca tagacttact gatgcaaaaa ttcatgatgg 300

ctttatgaca ctggttctgc tagtcagtct gttaaaaaca aaactcggct ttccttt 357

<210> 23915

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G6

<400> 23915

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cgtacactct tttcaaccac cttcgaccaa ggatgggcat caggaatatc agcagctgca 120

gtacaaggcc ttttagagtt gttggtagaa ggtggtgcaa accatgtgaa ccaatgcttt 180

cttgaaacct gacgctattg caacactgaa cttgtgccga tcctaactca aggtgggttaa 240

aggaaccact tggaccatgg atgtgaacca acccttggct tttgccgaac actatggaag 300

gatcgaaccc aatggaatgc tgggttgaag aaggtaatgc tatggccttt ctggggccctt 360

ggatccttgc tgttaaactg ggtgcttcc aagttgtgga atggt 405

<210> 23916

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G7

<400> 23916

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tggccaccac gtggacgcac tacaaaacat aaagttcaaa cagtatatgg tgtgatagga 120
gttctcaaac ttgcagttgg atcatatttt gtggtgatca cggatcgtga ttgtgtggga 180
tcctactttg gacacgcaat ttttaaagtg acaggactaa aagttcttcc ctgcaatagt 240
gcacataaca ccacctttgc tgagcagaaa aaaatggaaa cagaattctt agaactcctg 300
tgaatgcttc aaagaggact attggccttc acttttccta cgatatcaac ctaacacttt 360
ctgcacagag gctacatgat ct 382

<210> 23917

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G8

<400> 23917

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gataaaacga gagaaggatg gcagtgtctc agggagctgt cctattcttg tttctcctcc 120
tcgtcgcagc agaggtggga accatcgatg ccaaaatggg agtagccatg cccatgcatg 180
ccttgataat ggagaaagcg aaacagcagg agaaggagaa gaaggaggag aaaagcacgg 240
agaaggaaga gagtcaatgc ttatcgccga gtctccagtt cgagggcttc tgcttcaaca 300
gcgacagatg cccgccgagg tgtgcatgaa ggagagcttt cccggtggcg agtgcaagcg 360
ggacgtggcc atgcgcaagt gcttctgcaa gaagccttgc tagttcatcg gtcttgctaa 420
ttgttgatgg gtgcttcatt aatttgatgt gatgggtctc atggctacga gaaacaaaac 480

<210> 23918

<211> 306

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-H1

<400> 23918

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aactggcgcg cgggtcgggg gattgaggaa gagagtgtct gcngctgctg ctgctacgac 120

tactgatttt tctggcccga gattcctggg caaggcaata tgaagtacgt ccttgtcacc 180

ggcgggggtgg tgagcggcct gggcaagggc gtcacggcca gcagcatcgg cgtcgtcctc 240

aaggcgtgcg gcttccgcgc tacgtccatt aagatcgatc cttaccttaa caccgatgct 300

gggact 306

<210> 23919

<211> 321

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H10

<400> 23919

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accgggtcct agcgacctaa tattttaaag cttcgtgaga ttataatgag gcaccagacg 120

atccaagaaa aaagttatac tacatatacc ttctagcaca ttattgaatt acgctcatat 180

gcatgattac atacattaaa atacactttt attcaagaca ttttggagaa aaatatatgc 240

atatggttgc tcattattat agatccatgt cccctctaag agcctagcgt tactatcctg 300

cttccaaaac tcacatctgc c 321

<210> 23920

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H12

<400> 23920

ctctttgctg gcatcatagc acttgtgatg agcatcgcaa cgatgggtccg tctgacccgc 60

ggcatgatgc ctgggaaggt tctcgggtgct gccataggtg gagctaccct ctcagaaggt 120

aaatcaaaaag tacaagatcg ccagctgtcc aagctatcag aagaggctgt ggaggaagct 180

gaagacgccg tctctgcaaa gcgcctctcg gagcttgagg agaaggatcat tgcactcctg 240

acaaaacccg catcaatgcc tgctgataag gaggaagttc tgcatgctgc tgtctgccgc 300
 gttagtgcac tggaagagga gcttgcagct acaaagaaga ccttgcagga gactcttgag 360
 cgtcagttgg agatcgttgc atacattgag aagaagaaag aaagcaagcg tttctttcgt 420
 tggtagaa 428

<210> 23921
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-H2
 <400> 23921

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 cgcgttggcc ctgaagaaca cgaagtgcac gtgtccatga ggccaccctc gtcttggtgc 120
 caatgaaacc tgtttccaag cttgcggggg gagacacgca tacgggtgtgg aggtttgccg 180
 taaggctaag gctactgcac aacaaatgca gctcagtttt gctaattttg atgggaaacc 240
 agtcgttaat tgattgaagc attctggtag ttggccgccg cagcgtttgg aacatttttag 300
 gaaatatgct acccggtcgc aaggaacatg cttgcattac ttagttcttg tatggngata 360
 cacctagtgt gttacatttc gtttccgttg tgtcgaaaga ctggttgtct gtcgatgtg 420
 ccccgacacg agcaacaatc tgtttgtggt gtacacagaa tggcaacttg atgtatag 478

<210> 23922
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H3
 <400> 23922

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 gaggagacga cggtcgacac cggcgccctg caccggcgga tgtcagatcg gcagctccgc 120
 ccggtgcgct gcatcagaat cacaggggac ggtcgatgcc tgttcaagtg cgtcgactac 180
 ggctcctgac tgaggatagg caagcatgcg cccagcgact gcgcccagaa cgaactggac 240
 gacgagctcc gagccaaatg agctgctgag tacgttaagc gaacatgaga cagccgaatg 300

gtaccttgaa aggcagctgt gagagttatg tgagacacat g 341

<210> 23923
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G1

<400> 23923

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ccgggtcgag aagacagaga gattggtgag atagaagaat gcatgaagaa ttgccaaaat 120
gaagaaccac atgcttcttc attagagaag aaattcagag aagaaattag caaagtatta 180
gaggaaagct tggacttctg gttgagggtc agtacatcat atcattatat ccagaaattc 240
caaaagacat ttgataaagc aaaacctgag ctggatagac ttactgatgc aaaagttcag 300
gagggcttaa aacactgggt ctgctgggtc gtctgttaaa aacaagactc ggctgtcctt 360
gaaaagaact tcgtgacttg agtactgac tac 393

<210> 23924
<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E6

<400> 23924

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ggctccctct ccgtcgtcta ggcaccgacc aacgcgccga gcgaagatgt cgtggcagac 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcacgt cggcggccat 180
cgtcggccac gacggcgcca cctgggctca gagcaccgcg ttccccgagt tcaagcccga 240
ggagatggct gccatcatga aggatttcga cgagccgggg cacctcgccc cgaccggcct 300
gatcctgggg aggcaccaag tacatggtca tccaaggcga acctggagct gtcacccgtg 360
gcaagaaggg atccgggggc atcactgtga agaaaacagg gcagtcactc atcattggca 420
tctacgacga gcccatgact cccgggcagt gcaacctggt ggaaaggct 469

<210> 23925
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-E7

 <400> 23925

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 caatggccta cttcatgggtt cacgtattga ctgatgctcc cgactaggaa gctgctgctg 180
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 gcgctactga cgctgtggc cacctctgcc gactaggtgc agcgcatgat tgcctagatc 300
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<210> 23926
 <211> 448
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-E8

 <400> 23926

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 cggatcatcc atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg 120
 cccagggcga ggcggagcac gcggcgagcgt gcgtcaagga caccgccgca gccgcgcccg 180
 acagtgcgca gctgcagcag caccgcccc aaggcaccgt tgagcaggtg gcgcagacgg 240
 gccagggcgt ggcggcaggc gtcaaggaca cgggtggcggg cgcggcggtt ggcgtcacga 300
 acacggtgtg gcgggcgtgg cggcgggcgt cacgaacacg gtcacgggag ccgtggcggg 360
 cgtcacgaac acggtgaccg gcgcggcggc ggggtgtcaag gacaccgtga ccggcgggcca 420
 ctgatcgacg acccaagaat gcttcacg 448

<210> 23927
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-E9

<400> 23927

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actatttgag gcagatcttg cctctagtagt gaaaacacaa ggttgtagct tttagcaaga 120
cagattctcg ccttgcaaac aatggcctgc ctctgaagct ccaaaaactt cgctgtcatg 180
ttaactacaa cgcattgaga tttgccccat ctattgaggt tctaggaaac aagatgatct 240
caactctcag gagaactgga tcttttggtg tgcttcatct gagatatgag atggatatgc 300
ttgctttctc tgggtgtact catggatggt ctgatgaaga aacagaagag ttgacaacaa 360
tgagatatgc atatccctgg tggaaagaaa aggaaataga ctctgagaag aaaaggcttg 420
agggattgtg cccctt 437

<210> 23928

<211> 360

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-F1

<400> 23928

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agctgcatca gggagcgacc cgccaccgcc acgcttggtc gcaagccgag aagagtgcgc 120
ggccgggaga ccggacgata attgatccgt agcagattcg ctaatggcgg agacggcgga 180
catggagcgg atcttcaagc ggttcgacac caacggcgac ggtaagatct cgctgtcgga 240
gctgacggag gcgctacgga cgctggggtc cacctctgcc gacgaggtgc agcgcatgat 300
nggccgagat ccgacaccga cggcgacggc tgcctcgact tcaacgagtt catcaccttc 360

<210> 23929

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F10

<400> 23929

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ttcacaaactg cttcggctac accggtgagg gtgtggcaat taaagttatc cggaataagc 120
agaccggaca gtctgaagga tacggatttg ttgagttcta cagccatgct gcagctgaaa 180
gggttcttga aggattttct ggtcatatta tgccaaacac tgaccagccc tttagattaa 240
actgggcata gtttagcatg ggagataggc gctcagatgt tgcttcggat cattccatat 300
tcgtaggoga ccttgcttcc gatgtcaatg atgccacact gctggagggt ttctccagca 360
ggtactcctc tgtcaaaagt gccaaagtcg ttatcgatgc taacactggg agatccaagg 420
gttatggctt cgtgagattt ggagatgac 449

<210> 23930
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F11

<400> 23930

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gggaaggaag agtcaaagg catcgatgag aaagcggtcc gtccctgggtg gtccttcgac 120
atcaccaagt tgggcgcctg ctgcaatggc aagacagaca gcacgaaggc tgtgcaggag 180
gcatgggcat agtcgtgagg cggcactggg aagctgacaa tcctcatacc caagggcgac 240
ttccttgtct gacaactcaa cttcacaggc ccttgcaagg gcgacgtgac catccagggtg 300
gatggcaatc tgctgtcgac cactgacctc agccagtaca atgtccatgg taattggatc 360
gagattctac tcgtggataa cctgggtcatc accggcatgg gaaaccttga ctggc 415

<210> 23931
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F12

<400> 23931

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ctgcatcggt catggtgaga aggaagagtc aaagggcatc gatgcaaaag cgtccggggc 120
tgggtgggtcc ttcgacatca ccaagttggg cgccttcggc aatggcaaga cagacagcac 180

gaaggctgtg caggaggcat gggcatcggc gtgcggcggc actgggaagc agacaatcct 240
 catacccaag ggcgacttcc ttgtcggaca actcaacttc acaggccctt gcaaggcgca 300
 cgtgaccatc cagggtgatg gcaatctgct ggcgaccacg gacctaagcc agtacaagga 360
 ccatggtaat tggatcgaga ttctacgctg ggataacctg ggcatacccg gcaaggg 417

<210> 23932

<211> 469

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-F2

<400> 23932

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 gtttgatgga atcgggttga ctgtggaccg aggcggcgga atcaatcaag aacgccatct 180
 cctagggttag ggtgtgttgg acctgccatg ggggacaggc cggcgccgat cgagaaggtc 240
 gcggtgccgg agaagatggc cttgttcctc cacgcgcgcg tcacgtcacc gggacaccag 300
 cagcagcacg gctgccttcg tcgcacgagg cgcccgccgc gaacatcacg ccgcggacaa 360
 cagccaggaa taagcagcag cacctgccgg tgagccccgg ngcgtgcctc tgctcgccga 420
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<210> 23933

<211> 364

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-F4

<400> 23933

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 cgatccatga gcgctgcctt ccgcattgct cttgatacca tccagtacat cgattctgcc 120
 cccaagatca aaggccggag aaggaggaag aaagggttagg gagtcggcta tggcatgctt 180
 cttcctcctg ccaacgttgt cgtcatctgc cacacgcagc atcacaata gagagagaga 240

caaaaacaaa gaggggtcga caagcactga caccgacccat gtcaatgtgg cgcgtcttcc 300
gctccctcct tcgcgcccgn ctaggcgggtc gggcgcgggcg ccgtgcccag ccggtgggtc 360
ccgc 364

<210> 23934
<211> 293
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-F5
<400> 23934

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accatccatc ctagagcagc ataagcctgc tgcatttgta atatattcga aatccgtatt 180
ttttttcttc acaagcacta ctctatatac gatgaataaa agggcgacaa tacagtgtca 240
aaaaataaag acgcttgggt ccaactatgc cgacaagggt cagcgcatga tgg 293

<210> 23935
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-F6
<400> 23935

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ggcgatggtc accaggccga gcgtcgccga cgcgtcattc ccatcctcgt gttggacgga 120
ggaaagtaga ggatcaaacg aatgtggcct cagctgaagt gctagacctc ggcgataatg 180
gtggccatcg cgggggggtga ggacgactag atgttgggta ggcgagctg ctgccgacag 240
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cattaactcc gaagccgata ccaaacgttc aagaagacca gtattataat gtcagtgtga 360
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a 421

<210> 23936

<211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-F7

 <400> 23936

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 tgctgcatgc ttattctatt actgctgata ggaatgagtg cgagcagcgt tatgcgaatg 180
 ctatcacttg tggatgacga ttcaagctta catatattat atccagacat tgcaatgtac 240
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 tgatgacact cgttctgctg gtcagtctgt taaacaacac cactcggctg atctttaaga 360
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<210> 23937
 <211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-F8

 <400> 23937

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 gaacgtgcag caggtgggtg tggacaggct tgggggacca ggtgaaagct acgatgcgtt 180
 cagggcctgc tttcccgcca acgagtgccg ctacgcggtg tttgattttg actttgtcac 240
 tgatgagaac tgccagaaga gcaagatctt cttcatctct tgggccccag atgcatcgag 300
 ggtgagaagg caagatgttg tacgcaagct ccaaggaccg gttcaagagg gagctcgacg 360
 gcattcaggt ggagctacaa gcaactgagc cgagcgaaat gagcatggac atcatcaagt 420
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<210> 23938
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-E5

<400> 23938

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tgtatgctca tgctcagcac ctccaataaa gcgagacatg ctatagcatt gttgaatgca 180
agtgggtatg cagtttgcag tatgcttatg ttgaattgat gtaacttagc cgaactgaaa 240
gaggctgccc cagcttgatt ggaacagagg aatttgctgc tgtttttgg 300
ggaacaacac aagtcaactc taaaaaaaaa ttgtttatga gtctggttat aaggtgttgt 360
tttgactga gatttcattg ttcacttgaa gaaacctctg tcggaggagc agaatgcttg 420
gtgctgttt 429

<210> 23939
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F9

<400> 23939

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gcggacatgc tgcagggcca caggatgctg tggatcccat tgttgcggca tcctctgcc 180
tcgtcagcct tcagcttctt gttgccgcg aaattgatcc cctccaggct gcagtggctct 240
cggtcacgtt catgaaagga ggtgatgctt acaacgtcat tccagagtca gcacccctcg 300
gcgggacctt caggagcttg acaacagaag gcttttcgta tctcatgaag aggatcaaag 360
agatcataga aggtcatg 378

<210> 23940
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D10

<400> 23940

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 tggagagccg gtccgcgctc aaattacacc tgacgaacct ggacttactg cataggaacc 120
 tatcaagccg actcctatga aaggaggag ttgtgccccca gcttcctttt atcacatttt 180
 gctattttctg cagtaaactg ctggctggta ttatgtatta gaattagtct cagcaccagg 240
 agcttgaaga gtggcaagtg acaccgtgta ttctttatct tagtttctgt tgacatacca 300
 ggtatttgta gttggcagac aggcagaatt gtatattatt ctccagggt accagtcaat 360
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<210> 23941

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D11

<400> 23941

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 agtctgtttc attaggagtt actcaagcct tgtcatggaa aagatctggc cttatggta 180
 gacccatcat acaagtcagt gtgtgcccta cgtatggagg aagtatcct ggggtacgtg 240
 cagaagttgt ccattcattg aacgaggaat tgaatctgat gtgtggcctc tcttgctcac 300
 agcgcccatc atcttatact gctctctcta ttggacgatc aaagtggaat ggtcaagtgg 360
 gcagttcttg agtggtaatc acctt 385

<210> 23942

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D12

<400> 23942

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 gcagcaggtg ccgccggtgg gcggcagcgc tctgaagccg gactactaca gccagtcgtg 180

cccgcgcgcg gagcggatca tcgcggaggt gatgcagacg aagcagatgg cgaacccgac 240
 gacggccgcg ggcattgctgc gcgtcttctt ccacgactgc ttcgtcaccg ggtgcgacgc 300
 gtcggtgctg atcgcgtcca cccagttcca gaagtoggag cacgacgcgg agatcaacca 360
 ctgcgtcccc ggggacgcct tcgacgccgt ggtgcgcgcc aagctggccc tggagctgga 420
 gttgccccgg gtgg 434

<210> 23943
 <211> 360
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-D2

<400> 23943
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 attaggagtc aacgaaatgt tacctactag actgggggtc ttaaatttat gtctggattg 120
 gtagaagaac cactcttgaa aaaaggaac caaggcggct aacttgttga gaattactac 180
 gtgaaaggaa cccgcaaaaa tcttatatta ttcggctcat ggaaaggatt tgagactgtc 240
 acaatcaaaa taaaagtttg ataaatggcc ccaagaaagc tgatgcagtt gtgtcggatt 300
 gaaagcagan ngaaaagtgg ccagctctt cttaaagcgc aaggatttaa tttcaagatc 360

<210> 23944
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D3

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 tgtcgtcgga cgacgaggtc agggaggaga aggagctcga cctctcctcc aacgatgtcg 180
 tcaccaagta caagactgcc gccgaaatcc tgaacaacgc tctgaagctg gttgtgtctg 240
 agtgcaagcc aaaagcaaag attgttgacc tttgtgagaa gggtgactct ttcataagag 300

agcaaaactg ggaatgtcta caagaatgca aagaggaaga ttgaaagggg cattgctttc 360
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<210> 23945
<211> 334
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-D4

<400> 23945

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tgggccatca aggccaagaa cggcgggcgcc ttccccaagg ccgacaaggc cgccgccgcc 180
gtggaaccca agttctaccc tgccgacgac gtcaagcccc gcgttcccag caccgcaag 240
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ggcgcttca tggggnaaag agagtgggtg ttct 334

<210> 23946
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D5

<400> 23946

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gccggcgccg ccaccacgcg cgcgggagac agagaccaca gccgcagcca ccgacgggcg 120
gaataggaat ggtggcgccg gggggaggag caggaggagg tccgttgccg tggcccggcg 180
gcggaagagg aaggatgcgt gcatattagt ttccgatgac cccacctgat catgtaccta 240
gctgaacaaa tgggactgga actgatcttg tcaaagttgc atgatctcaa atgggaatac 300
ccccatcttg aactgtacg gaagaagggtg gtggagatta gtggaaggga tgaacaagag 360
gttatggttg ctgcttgccc ctacagaatt tgccctctgg gggctcatat tgatcatcat 420
ggtggagtag tcaca 435

<210> 23947
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D6

 <400> 23947

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 cacaagactc acttcaatag gaatactggc tccaactccg agtagcatga taaggctcctt 180
 ttcactgacc taaatcggat gacaaatgat gcgtgcatat taatttcgga tgacaccacc 240
 tgatcatgta octatctgaa caaatgacac tcgaactgat cttgtcaaag ttgcatcatc 300
 tcaaattggca aactcatatc gtttgacact gtacggaaca aagtgttgga tattactgga 360
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<210> 23948
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D7

 <400> 23948

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 gaataacaat cataccgctt tactaattca tatgaacctg accttacctg taccctctta 180
 aagcataact ttcatgcata catattacat acctattaca ctacctgac atgtacttaa 240
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<210> 23949
 <211> 467
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D9

 <400> 23949

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caggcagaga ggtacgagga aatggttgag ttcattggaga aggttagcgaa aactgttgac 180
tcggaggagc tcaactgtgga ggagcgcaac ctctgtctg ttgcatacaa gaacgtcatt 240
ggagcccgcc gtgcctcatg gcgcattcat tctccatcg agcagaagga ggagggtcga 300
ggcaatgagg accgtgtaac actcatcaag gactaccgtg gcaagattga aactgagctc 360
accaagatct gtgatggcat cctcaagctt ctggaatctc accttgtgcc gtcttcacc 420
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<210> 23950

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E1

<400> 23950

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aataaaaaaa taaaaaatta ataaaataaa aaaaataaaa aaaaaaggcc tctcctttta 180
aaatttccca atttaattcc ctttctttta cacctttaac ttttttttat tttcacctaa 240
atttaaatta ctttgcccct tttttaaaaa ttgatttttt taaaaacctt tgttttt 297

<210> 23951

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E10

<400> 23951

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ctgagatcac ataaacaatg gtgaaggctg ttgctgtgct tggtagcagc gatgggtgtca 180
agggcaccat ctttttcacc caagaggag atggccctac cgctgtcacc ggaagtgtct 240
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gatgcatgtc aactggacca cactacaatc ctgcgagcaa ggagcatggg gcaccagaag 360
atgagaaccg ccatgctggt gatcttggaa acgtgacagc tggaacagat ggtgttgcta 420
atatcaatgt caccgaca 438

<210> 23952
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-E11
<400> 23952

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gcaccataag atgagaaccg ccatgctggt gatcttggaa acgtgacaac ttgatcagat 420
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<210> 23953
<211> 426
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-E3
<400> 23953

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cgccgacacc gaccggcgcg tgttctgaa cctgccgtga gccgtgacaa cgccacggcg 240
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acgctgtagc gtcaagctct tgaaggcttg aagctgtgct gtagtntcct gagcttacta 360
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 tagtaa 426

<210> 23954
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E4

<400> 23954

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 taatacatat caatactatc atctcatatg ctctatcgac tacaaccaca tcacatattc 180
 tatcatatc catcaccaat gtgccacata ctataatata atccattatc acagaattaa 240
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 cctctcttat cctgagtact cacaaaatac ataatacatcc aac 343

<210> 23955
 <211> 292
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D1

<400> 23955

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 gactccagcg aacaactctc ttgtgctggc tgcggcgagg actcaccgga gcgaccctt 180
 cgccaacctt accgcgtaca gcggcggtg gaacattagc gacgagcact actgggcttc 240
 cgtgacgtac accgcgggtgc cctcttctc catggcgtg ctgtggttcg tc 292

<210> 23956
 <211> 294
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B3

<400> 23956

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tcacgggctc ttactccga atatcctgtt ggattcgtgc actctacaac acagtacaac 240
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<210> 23957

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B4

<400> 23957

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agacacctta tgaacaaga aagtagtttt gcaagcagca gttactgact gacagtacca 180
cgccctcgac taagcagcaa gcgtcggaag acaatgcaaa agcaggatta ctggatctgg 240
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<210> 23958

<211> 288

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-B5

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gggtgcatcc atggcaggtt gggggctcgt gcatgtgctg tggcacgggg ctctcttctt 180
tgccaccctt tccctacctt aacggcctgg ctactggtaa tggcgggcat caccgtgcag 240
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<210> 23959
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 23959

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caggcggagc ggcgagcgca gtgcgttagg gacggcgccg gcgccaccgc ctgcgccgtg  180
accgacaccg ccggagccgc ggccgacagc ggcgagctgc aggagcaccg cgccgccggc  240
accgttcagc aggtggcgca gacggcgggc ggcgcggcgg cagccgtcaa ggacacgggt  300
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<210> 23960
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B8

 <400> 23960

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atcgaccgac aggtgcaaata aactacttta cgatgtgctc taccgactat ttggctctgg  180
ggggaggagg tcatttcgca ctttatcttg acgcagacct tttgattggt tcaagttcta  240
attcagagac ttttaacaac ggggtgttat cgcattcttc agacttctca gtgaaagatg  300
ttgaagcttt ggggcttcgt ctacccttcc aaatacgagg agatgctgac actctgccgg  360
actgagaaac caggaatctg tccatggtga gtggtgacca atccc                          405
  
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<210> 23961

<211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B9

 <400> 23961

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 gctgggatgc gtcgcgttca gcattctctg ggtgctggcc gtgttcccg cggtgccgtt 180
 catgccggtg gggcgcaccg aggtgtccct cctgggcgcc atgctcatgg tgctgttccg 240
 cgtgatgacc cccgactagg cgtacaaggc gatcgacctc ccgatcctgg gcctcctatt 300
 cggcaccatg 310

<210> 23962
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-C1

 <400> 23962

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 cagatcatgc atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg 120
 cccagggcga gtaccaggcg gagcacgcgg cgcagtgcgt caaggacacc gtcgcagccg 180
 cggccgacag tgcgcagctg cagcagcact cgcccaccgg caccgttgag caggtggcgc 240
 agacgggcca gggcgtggcg gcaggcgtca aggacacggt ggcggggcgc gcggttggcg 300
 tcaacgaaca cgggtggcgg cgtggcgcg ggcgtcacga acacggtcac gggcgccgtg 360
 gcgggcgtca cgaacacggt gactctgcgc gcggcggtg tcaaggacac cgtga 415

<210> 23963
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-C10

 <400> 23963

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atcctaagat atcataattg cactatagtt tatttcggac cggatttcaa gttacatatt 120
atatcatata catatatata attattacta ccatttcgat aatacatatc aatactaaac 180
tatctattaa gatttattac aactaaatta tctacaatta ttaacatcta aattaaaact 240
atacattata atattctact aaccataaat ctctttcaaa aaaatcaaac ctgggccatc 300
acataattat acaattcaac atacaattca cctatcataa tatca 345

<210> 23964

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C11

<400> 23964

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agcccgaat tttccggcgg gttccttgcc gcgaatcgat tgatttcgag cgattcgact 120
cctttgtgat ctctcggcgg ggtagagcgc ggtcgaccgt cggccatgtc gaggtgcttc 180
ccctaccgc caccggggta cgtgcggaac ccagtggccg tggccgagcc ggagtcgacc 240
gctaaggttt gttgaacctt cggatttaca cacgcacgtg ccagatcggt tgttcaatct 300
gtaggttttg cgcggatctg tggtttgccg gtgcgtgatg tgggtattgc ccgtgccttg 360
aaagctaacc gagctgagga agtgtatgga tcttgtgtag ctgcacgagg tcctccaaat 420
cgattggtaa aattaagttg tat 443

<210> 23965

<211> 238

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C12

<400> 23965

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cgacttacca ccgctccaac ccgagagaaa gatggagacg atcaagacga tcctcatagc 180

cgcgcttctc gtaatcgccg tctcggccac cgcagtgtg acctacaccg atgtcgac 238

<210> 23966

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C2

<400> 23966

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ggcgcgacga tgaagaaagc ggcgcggcg cggcgagtc tggctaccct tctcctgtcc 120

tcggcggtgt ccgccaccg cgtgtccgg caggaaccgg ggacgaacca acagacggcg 180

ggcaacaacc cggcgctgca caaggcgtac gtggcgctgc aggcgctgaa accgcgcgat 240

cacggaggac ccaggaacc ttgacgcgg ctggtgcggg cccaacgtg tgcgcctact 300

tcggcgctcta ctggcgccgg cggcgcccga cggcgacgcg gacacggaca cgcagaccgt 360

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<210> 23967

<211> 287

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 23967

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gtgtcggtgcg cagacatcat ctcggtgagc gcccgcgact cgggtgaagct gacgggcggg 180

cccgagtacg cggtgcccct gcgaccgcgc gactcgctgg tgtgcaaccg ccaggacgcc 240

gacaacctgn cgggctcaga catcgctgtg cccaacctca tcgacga 287

<210> 23968

<211> 258

<212> DNA

<213> Zea mays

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<400> 23968

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cagcccagcg aaaacgtcta cgcgattctc cgtgctctcc taatccacac cgtatactcc 120

gcctcctgcc gagacgacag gtacggcagc atccgtgact caaccaactt actgctttca 180

acaacctccg gctgcacaaa gcgtacgtgg ctctccaagc gctgaaacac tcgatcactc 240

aagaccccat gaacttta 258

<210> 23969

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C5

<400> 23969

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gatccgtcga gaaggaggac attggcacga ggcgggagat gatggggacg acgacgagga 120

agtctaagtt cagcggggccg tgcagggcga cgaaccgat cgaccggtgc tggcggtgcc 180

ggcaggactg ggcgacggac cggaagcgcc tggcgcggtg cgccaagggg ttcggggcgca 240

acaccaccgg cgggctggcc ggcaagttct acgtggtgac ggacggcacc gacgacgaac 300

gtggtgaacc cgcgccccgg cacgtccgg tggggcgctca tccagatcga gccgctgtgg 360

atcaccttcg ccaagaccat gatcatcacg ctcaaggagg agtcatcat ccgcggcgac 420

aagaccattg a 431

<210> 23970

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C6

<400> 23970

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acgagaagga cgcgtcggac ccgcccattgt acaacgtgga ggccggcaag acgtaccggt 120

tccgcgtctg caacgtgggc atcaaggcgt ccttcaacat ccgcattcag aaccacatca 180

tgaagctggt ggagatggaa ggctcccaca ccatgcagaa cgactacgac tcgctggacc 240
 ttcacatcgg ccagtgcctg tcgttcctcg tcaccggcga ccagaagccc ggcgactaac 300
 ctgctgggcg gtgtccaccc gggtcatcaa ggaggtgaac agcatcacgg ccgtgatccg 360
 ctacaagggc ttcaacgccc cg 382

<210> 23971

<211> 241

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C7

<400> 23971

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 gactacaagg atgccctaag caagaccatc atattcctgg aggcccaacg ctccgggaag 180
 ctgccgtgca gcaatcgcg t caagtggccc ggcaacttag ggcttaacaa cggcaagctc 240
 g 241

<210> 23972

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C9

<400> 23972

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 aactgagtgg gctgaagact taacacggtc taaaagctaa agcctatggg cgagcagcaa 180
 ccggtgctgg agatggagct gtaacagcag caccaggacc agggctgtag ctttcttgtc 240
 caccatcaag cctatcctac atgcgcacgt tccacttcga ccgtttgctc tctatgcgct 300
 gctcacatct caacactgat accacctcat atg 333

<210> 23973

<211> 387

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B2

<400> 23973

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 cgacgatgat gcagaacttt gtacatgcgt ggtgggtgtg taacatagtg tggctggcaa 180
 caagccatgc tcatgcaaac cgatgaatct atctctgtat catgcatcga tctcggttgc 240
 ttgctagtcc cgactccaga ctccagacat ggctatatat agctgggtgct aataaatagg 300
 agtattaatc gtcaaataac gatcgattgc gtgtggaatg ccaatcaagt gtgtaatctg 360
 ttcccagata ccaacccttg gttcctc 387

<210> 23974
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A10

<400> 23974

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 atcttaaacc ttacaacaac atctcaaccg atacataact gacataactca acctctacaa 180
 tgtactataa ctactcaca tacaccttca ctacctcgtc ccacatctca cacctcccat 240
 tgtaatacta ctacttattc taatcaatcc taataactagc gtacacaata tatctctaca 300
 ctccactta 309

<210> 23975
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A11

<400> 23975

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ttttttttat gtttttattt tttttttttt tttttttttt tataaaaaaa tttttttttt 120
 ccatttataaa ttaaaaaaat tatttcaatt tcaatttcta cttttttaat aaaaatttta 180
 ttaaaccaaa ataaactact aaactgaaat tgcaaaaaaa caaattataa ttaaccaaaa 240
 cacaaaacaa catattatca tggatctcat catcttctaa atacaatgat cactcatatc 300
 ctataaaacc tacaaatttt ttatccccct aataaaaaaa ttgcctaaaa 350

<210> 23976
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A12

<400> 23976
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 ccgacggcaa ccgcatgtcc gtcgctcct tctacaaccc gggcgccgac gccgtcatct 180
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 gcttcgtggt cgaggactac atgaacctgt acgtgcgcca caagttcgag gccaaggagc 300
 cccggttcga ggccatgaag tcggccatcg ccaccgcgtg agcaaatact gacttccgct 360
 gccggcttcc ttcgtggcgt caagccttga ggcttgaacg aacaacgtac gtncatgtgc 420
 ttatagtggc acagttatgt gtgtaactac cgatcgtgga a 461

<210> 23977
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A2

<400> 23977
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 gaggaggtgg acagcctcag cgaagatgac gcccatgcc atgtggaggt gcggtcgcgt 120
 atggcagtgg aaggcccaca cggccgggtt gtccgccacg aaccggagca tcgtccaccc 180

gtacggaaag atgaccgccg tgttccgcag cggcgggtcc cggagggtga gccgcgttc 240
 gtcggcgccg tccccgcggc acgcgccgtc gccgtagccc agcaccaga agtcgtggcc 300
 cgtggagggtg cccacgggtg cacctcgtg acgttgccg aca 343

<210> 23978
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A4

<400> 23978

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 actatagtgg taaattgccc tgatgtgagc atccctgtag tggaagagac aaaaccactc 180
 atatgcggaa tcaactgaatt ggatgatggc cttttcaagg acaagcaact ttccactaag 240
 gagattgcaa cgtatggatt gtatctttgc cccttatggt ttgtgacaga gtatttatcg 300
 aatgcnagcg ccttgcaaga actagtgttg ccagtaccac agtgctgtct tcaacttcag 360
 gactcttcac tcttttcatt ggtgtttact tggccaagac tccataaatg ctgcgaaagt 420
 t 421

<210> 23979
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A5

<400> 23979

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 ccgctcagt gacgacaacc agcctgctgg cgctggcgct ggcagcgctg gctttcgtct 180
 ccagggccgc ggcgcagggc aacggctgtt ccagcgtgat gatgacctg gcccgtgca 240
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ggagtcgtgc agaccgaccc ccgctgcctc tgcattggtac tggacggcac tgccacgtcc 360
 ttccggcatcg ccatcaacca gaccagggcg ctggagctcc ccggcgtctg caagggtcaag 420
 gcgcgcgncgc tcagccagtg cacaggcgtc cctg 454

<210> 23980
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A6

<400> 23980

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 gacaggtaca tgcgtagacg actgaaggcg gcatcgacg cggacggcaa gcttgagtgg 180
 ggacaccgtg ggccgaccga cgctggcggc tacaacaact gatcagagga caccggctta 240
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 tcagctagat gctgctggag cacggtgacc gtaatctggt cgggcaccac attggcattt 360
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 aggtgccacg cctcag 436

<210> 23981
 <211> 332
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A7

<400> 23981

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 cggcaacgtc cccatcttca aggaccgcaa gggctgtggc tcatgctacg aagtgagatg 180
 caagggaaaa cctgaatgct cgggcaatcc tgtcacgggg ttcacacag acatgaacta 240
 cgagcctatc ggtccctacc acttcgactt gagcggcaag ggccttcggc ttccctgggc 300
 aaagcccggg ctcaacgaca agcttcggca ct 332

<210> 23982
 <211> 467
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A8

<400> 23982

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caagtccttc gggaagcgag aggcctgcac ctactgggtt agtaattgac ggacctgtcc  180
taaaagatgg tcatgcttgt actcttggtt ttgaagcaat catcgaagaa gggggttcat  240
cgtcaagaat ggaggtttct tccagtgagg tagctggacc tagtttgagt tctgtggaag  300
caaaggcgaa tccccagaga aagaagcctc tgagataaga gagcagtcga tgggtggcca  360
tgtcgaagca catggagggt ctgtcagcca tgctgaccc tcatgatctg atataagttc  420
tcagccgagt actgaaagtt caacaaatgg tgattctggc agtggtg                    467
  
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<210> 23983
 <211> 358
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A9

<400> 23983

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gtggatcatg gacggattgg taggcctctt gaaagtcggg gtggtagagg gcatcaacct  180
tgctaccgc gacgcatgag gcagcgatcc gtatgtcgtc ctacgacttg gcaagaagaa  240
acttaagacg agcgtgaaga agagatctgt gaaccccatc tggcacgagg agctaactct  300
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<210> 23984
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-B1

<400> 23984

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cgcggcggcg gcggcagagg ccgcttctaa cgggtcagcg gcggcgggccg tcgcagggat 180
cagcagcagc agcagcgcg cgggtgacct gaccgtcggg aaatcgacga acatcctgtg 240
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cgtgttggtat cactggccta agcggttcaa ggaaaagcac gctcgcgtgc gcgctgagcc 360
gcgagct 367

<210> 23985
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B10

<400> 23985

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acctccacct gctcctgtaa gcttgccacc tcctgaagta aagtcttccc caccaccagc 180
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aatgaagtcc ccaccgtcgg cagcaccaat tatctctccg ccaccagcac cagtgaagcc 360
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<210> 23986
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-B12

<400> 23986

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cccccgctga agcaccggaa gccgcatcca cccccgtcgc cgccgctgcc ccatcgccgt 180
cgtctaggaa gtctgggtcca gctaccgccc cagccaccgc ctctacaccc ccttcttcca 240
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ccggcggttg cgctgctgtt gctaccatga tcttcttcta ctaaactcac cgacgatgg 420
cgtgtcccg tgagacatta tgggtggacac gtaattggc 459

<210> 23987
<211> 460
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-A1
<400> 23987

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aagcaaagg gttggtcttt gtatatgtt ggtaccctaa gacaaaggga actacgtatg 420
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<210> 23988
<211> 379
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-G10
<400> 23988

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agacagggac ctctctcaaag aactttcaag gtggagcatc ttcaaacaag aacgacccgg 240
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gccagaaaac agtgtatcca ttggagaaat ccccgtaatg ctagttctac cacaagatct 360
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<210> 23989
<211> 204
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-G2
<400> 23989

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cccgcgcac cactctgtgt ccaggctgca accctgggct ccagaaaagg gtgtgtgcct 120
gccacccccca accgcgccga agcgggtctga ccctctgtg ctcggttctg ccgccggaca 180
ggactctcct gactgtctac agtg 204

<210> 23990
<211> 372
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-G3
<400> 23990

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caaatgagaa agtagcaata aagaagatac acaacgtttt cgacaaccgt gtggatgcac 120
tacggacctt gcgggagctg aaactccttc gccatctccg gcatgagaat gtcattgctt 180
tgaaggatat aatgatgcca atacacagga taagctntaa agatgtgtac ttggtatacg 240
aactcatgga tactgatttg caccagataa tcaaataacc tcaaggcctt tccaatgacc 300
actgccagta ttttcttttt cagatgcttc gaagacttaa atatcttcat tcagcagaaa 360

tacttcacag ag

372

<210> 23991

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-G5

<400> 23991

caagctnctn cagggacgcg cgcctcccg c agcagcgcg cgtcgagggc gtcccccttc 60

cggcggtgct cgtcccgagc gctcgtgcgg gctcctgcgc cggcgggggc gacaagttcc 120

tggcgggcgt gcgctgcgag agggcgctccc ggctggagcc gctggcgcg gacgcggggg 180

ccctgtgctg gcgaggggttc cccgcgacga cggccgccga ctctgaccgc accgtcgacg 240

ccttcgggta cgaggagctg ccaatcgctg gcagcgctgc gccgtggacc aacgtcggtg 300

gccgggtgtt caccggcaac gactttggcg ccgaacagaa gatccccctat caccacgaga 360

tggtcaagg tccaaca 377

<210> 23992

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G7

<400> 23992

ggaataactc tctctcccg cgcggggatc ccgccggtga caatggtgag gtggttgctg 60

ccgccgtcgc cagcggacgg cgagataccc ttcggacacg acgccgtcgc cttgtccttc 120

ttcgtggcgt gtgtggcgt caccgtcgcg ctgcgctcgt ccatgtgctc ggcatgcggt 180

cgcaagccga atgcggccac ccgtgcagac ccggccgctt cggaccagtc cgtcgggacg 240

ggctcgggct ctgtcttcgg cagc 264

<210> 23993

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G8

<400> 23993

gagaaacagc gggctagtgc gggacgacgg gcaggataag ctaacagact tggagctggc 60

gggtctcctc gactcaagct ggtggtacgt acagtcggcg caagcagctc gggcaaattgg 120

aggcggcagc cacgacagct gctgggcgaa cgatgcagct cgaagtgact gggctcttag 180

tcatgaggat aagctgcacg acggcatcta caactgacag tgccgaatac gagcgagtac 240

acctgttggc gtgcgtaaaa aggacaagat cagaaccggg ccagactaat catggggagc 300

ggct 304

<210> 23994

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-G9

<400> 23994

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aagactcaca aacattaacc gtagctngca ggccctacgc ggccgttgcc cggctctgcgg 120

agaggaagcc gatccaagga cgatgccgtc ggacatatac cattgcagac acgcagaccc 180

gtcaagtgct gactgaaaac atgctggcaa tgcacaagag agcgtgtcag ctctgaaacc 240

atcatgcggg tctaaacacc atgtgcgcgt cgatacaacc gaaccaggca tccggcgagt 300

gagtataaaa ccggcaatct agaggagcct agatgcacat atcagaactg ctcaagtgcg 360

gtaaactgct atatcatatt aaacaggcat acattacaac aataagcac 409

<210> 23995

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H1

<400> 23995

caggatgggg ctctctgtca agggaggcaa cgtcctcgag tcgctgggcg aagtcagggt 60

cgccgcgttc gacaagaccg gcaccatcac cagaggggag ttcagcatca aggaattcca 120

tgtggttggg gacaagggtg aaatgaacca gctactctac tgggtatcta gcatcgagag 180
 caaatcaagc catccaatgg ccgctgcact tgtcgagtac gctcagtcca aatctgtaca 240
 ggccaagccg gagaacgtga ccgagacctg catctatcat ggcgagggca tctacggggg 300
 gatggatggg aaacagatct acattggaaa acaaaggatc ataactaggg tcttgtgtcg 360
 tc 362

<210> 23996
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-H11

<400> 23996

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 gatccagccc tctgatcctc gtcttctttc acctctccaa catgaaggte aacaccaaga 120
 tcaagctgga gccggtcatt gcgccgtcgt cgccctgcc gcggagcgcc agcgagctac 180
 ccgacccgcc gtcaccgttc agctccaaca cggcgcacca cccgtctcc gtgcccacca 240
 cacctagggt gtccttatcg tgctcgtcgt tcggccacat ggtgaccccg cccaccgaca 300
 caccgccgat caccgccacc aagaagcagg aacaagccga agccgacgcc ggaggccgtc 360
 accgcggcga actacgcgtc gttgtggtcg cccaagcgcc tcatgcagcg cgctgcccgc 420
 gctttccgnc gcagcaggte gcgcgcccgc g 451

<210> 23997
 <211> 336
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-H12

<400> 23997

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 gggccaggte tatctactag atgatgaact atatgctgat ctaatagctt atatacaaga 120
 attatttggc tggaagggtt atcagttatt tgcaacagtg aaggaacatc taatgcttaa 180

tattgatgac ctaagcatta tcgagcataa cgaggacatt gggacagtca agaataaatc 240
atctagggaa accattgcac attcaccnt catggcttat gccatgttag cagtgggaga 300
cagcatggta tgtgaagcgg aacctatgat tttttt 336

<210> 23998
<211> 334
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-H2
<400> 23998

ctatcatcat cttctccgat ccatcaacaa tcgccgagag cgatcgagag ataaataaag 60
atgaagaaag tggcatcatc gtcagccgtt ctcttcgtgc tagccctgac gctagtttgt 120
gccccgctga tagcagaggc aaagaagaag agagtgcgcg ccgccgccgc cgaggagaag 180
aaggtgcagg acaacttctg ctcgacgctg tgcgagggca ggaaggggat ggacctggtg 240
gtgtgcaagg agtcctgcga cctctcacag cgctccaacc tggtgctgta cggccggatc 300
cagtgcagg gcaagtgcac cgagcagaag ggca 334

<210> 23999
<211> 368
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-H3
<400> 23999

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aggcgacgac ggacgccggc ggggtgtaca ggatggagat cagcgggtgac caccaggacg 120
agatctgcga ggtgctgctg ctcaagagcc ccgaggcgga ctgcgccgag atcgagcgca 180
cccgcgaccg ctgccgcgtc ccgctcacc gcaacgacgg catcaggcag agcggcatcc 240
gatacgccaa ccccatcgcc ttcttccgca aggagcctct cagcaactgt ggcgagcttc 300
ttcgcgctta cgaccttttc aacgagacgt tcgagaattc ctaagcgtca ttttggtttt 360
tttttttt 368

<210> 24000

<211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-H6

 <400> 24000

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 gttgatctgg ggaatgaatt aacaaactcc aatttttggg tctctgggtc cttcaagggg 120
 tcgggtctgc acgccatctg ctccgcatat gaaatctgct gagccgtcaa caccacttgg 180
 agtaacttat tcgatgagtt catgatttat tgatttattg cagccagaaa tcacgcagct 240
 gaggcttgtt cgtttctatc ggattgcacc cggaatcggt ccagctaata aaagtttata 300
 taaattagag aagcaatccg ggtaggaatc gttccgaccc aacaattcga cacaaacgaa 360
 caaggcctta agcttgttct gtattc 386

<210> 24001
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-H8

 <400> 24001

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 gcggcatgga acagaacgac ggctcgttcc tcgccgtgcg acgcctctcc ggcggcgcca 120
 tccaccacca tcgccaccac tcttcgcggg ctgaggctgt gggcgtgtcc acggcgtgga 180
 tcgggaaggg gcttacgtcg tgcgtgtgcg cgcaggggac ggagagcgac ggcgcctct 240
 ctttcgattt gagtccatt caggaagagt gcttgcatag gttgcagaac cggatagagg 300
 tgcagtatga tggttcaaat ctagagcatt agaaagcact ggtggccctt tggcatgctt 360
 cttttctctg aactgaactt ctaagattag tatcaga 397

<210> 24002
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-H9

<400> 24002

gttgtcccta gagaggaagc aaaggcacat gaccgtcgtc tccgggtggg acgacgagtc 60

cggcctgctc gatgcatggg tcgttgaggc cagccccgtc tgtgagtcct gtcgcaagag 120

gcgagcctcc acctgctcca acaatgacgg cgccggatcc aacaccaaata acggtgatac 180

ggttgacaga ccaccaagga tccaccttcc tacaatgggtg tgggtgcaaaa acaacaacat 240

ggtctacaca gcagtgcctc taacgcacgg aaggacaaaag gcagacgcca cagagtatca 300

ttgaggaaat catgtctctg ttattaaatg gttcctgcac atctgctttg agctgatcac 360

cacgccttgt ggacacaggg actgtgttcg aggagcctat tatatgcaca aacattccaa 420

gacttgttct aggatggact aataacgcca tctgcagtgg a 461

<210> 24003

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G1

<400> 24003

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caccgccttc accgcccagag ttgctagagc tgattcggga ggaagatgct gctgcagctg 120

aggttgttga aggggctgat ctaggtattg tgggtgatga tacacagggt tccagtgcgc 180

gacctttaag cctgctcct ggtgtagaga cagtagttgt attccccaaa aatgctggca 240

aaattgtact agcatgtgaa gaaactgaat tactatgtgg tctgcaaaat gaggggtgaat 300

cgactttgaa tgggtggtgct ggtcattcaa ctcttcatct ttctttttac cataata 357

<210> 24004

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E10

<400> 24004

cgagaacctg ctctttctct cgaccattga tccctccaag gaccccatc gctctggcct 60

cgaaccttgc cttgagaggc ctgagggaaa ccctaacggt gaaggcggga ttaatgcgat 120

tgacattatt ttaatgatga aagcaaggag ggtgcttgca aagcttgctg agaaaagaaa 180
atcggctgtg gaatcttcac gctcagaaag gaccttgggt ggaattgac ttacatccaa 240
gattgtagac tttgggaatg cttgctgggc cgacaaacaa tttacagatt ttattcacac 300
aaggcataac cgggcaccaa aggatattct gcaagatact 340

<210> 24005
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E11

<400> 24005

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gggatccctc gctaataaca tcatggtcgt ggggtgctgc cttgcagcgc tcgtcgccgg 120
cgggtcatgc gggccccga aggtgccgc cggtcccaac atcaccacca actacaacgg 180
caagtggctc accgccaggg ccacctggta cggtcagccc aacggtgccg gcgctcctga 240
caacggcggg gcgtgcggga tcaagaacgt gaacctgcc aacctacagc gcatgacggc 300
gtgtggcaac gtccccatct tcaaggacgg caagttgctg ctcatgctat gaagtgagat 360
gcaaggaaaa acctgagtgc tcgggcaatc cagtcacggg gtacatcact gacatgaact 420
acgagcctat cgctccctac cacttcg 447

<210> 24006
<211> 180
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E12

<400> 24006

cccacgcgta cgcccacaca tgccatctac attgaacata tcacacttca togctacgat 60
tgtatcccta actaataaca tcatgcteta aattatagtc cttctagtgc togatccag 120
atgttcatac agatcctata ttgtgtcttc atgtcactac attaccacca actacatctt 180

<210> 24007
<211> 378
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E3

<400> 24007

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catctcgtgc agcagatccc cgagggtgcgc atcataagct gcgatggcaa gagatacttt 180

cgggtataaca agagccgtcg catctacgaa actaatgcac agtcagaaga atgaagccat 240

ttctgaaaac cttggcacga cactggtttg ttttgggtca gccacacgtt tcagttgtcg 300

ctgtccctac tttgttccgg gagtattgag agcttgtggt ctggtcacga ttgattcang 360

tgttttcctt tggtttgc 378

<210> 24008

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E4

<400> 24008

cccacgcgtc cggaagaagt tagagagctc aaagaacaga ttgcttgccct cagggcagca 60

ttagctagga aagatggagg tcaagagagc attcgaagca ctcaatcaag cccagacata 120

tatagaatga gaacgggcaa tggattacct gcgttgaggc acccaatagt agatggaagt 180

atagagaacg actcggcatt gggagatttc gctgagcact cgccattcgg gagcagcaat 240

tcgctgccag agttgggacc agatggcaca caagatctag ctttctacca aagaagcagc 300

cctgaacagc aatggagctg gtccgggtct gttgcaacag aagattccga tgacttcgag 360

gttgcaacga attgctcgtc agatctgga 389

<210> 24009

<211> 248

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E5

<400> 24009

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gctcccagtt ccgtatatat catcgttatt attattatgg tataataact ttgctcgcga 120

gacaaatgga ggttctctag gtagtgtctc taacctgtcg tactgacttc tgatcgataga 180

agagaatggg gccacaaact tctttattat ccatggatgg ataggataga tcacgttcta 240

gatcgcga 248

<210> 24010

<211> 264

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E7

<400> 24010

cggacgcgng ggcggacgcg ngggagctcc gccaccacca ccaccaagcc caacaacagg 60

gggcncgcga aaanaangaa gagccgcagc acggcaacaa cggccgcgcg cgaggagcaa 120

gcccncgcgc aagngggcgc caccgccccca caggaagcgg aggcaaagaa gaagagagcg 180

gctggacagcg gctaggcggc ggaggcgaag aagaccagc acgacggcag caccgacgag 240

agcgagggca agaaggggac ggac 264

<210> 24011

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E9

<400> 24011

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gggcacgtcc gtgtcatgga tcgaagatta cttattaaat gtagacgaac acgcctcgaa 120

tggccactat taatgaaata catgtactgc atgaaggacc tgcgatgata cattcttctc 180

acgtgtctta aactcacctt attcatacct aacattgcag caccactgtc attttcctta 240

cagtottaga agccttcacg tatgacatgt acctactcag ctaagtgtac aaggcgcgcc 300

cg 302

<210> 24012
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F1

<400> 24012

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actagcgtcc tctattggaa gcaagtcaca cagggcgaga cctaaactaa ttttaattatg 120
aagtgtgaac aatagaggag atataaatag tgtgaacaat gaactggagg agacagaagc 180
ggggagatcg aagacaaggg aggccttatg tgcattgaca tcttcggtcg cacaatggg 240
tgttgaagt attgatctgt aagctacaaa tgtatgaagg ggagtgaagt ctttcctac 300
atgttccttc tggggctatg gccatattgt tt 332

<210> 24013
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F10

<400> 24013

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tcagaaaaaa agaattagta ggtccgcgat aatcaatcga acgaagctgc atgctgctac 120
cgcccgaccg caacatgaag atgacacgga cgatgtgcct aggcctgctg cttctactac 180
tgccggcgcc gtcgacagcg actgctcatt tcacggtcgg cgatgtggat gattacgtgt 240
ccaagcgcac gcaggagtcc acccacatga acatcggtgg cgcagacatc gatgacctca 300
tctccagtgc ggcgcgct 318

<210> 24014
<211> 455
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-F11

<400> 24014

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gtcgtcgacc cgcccagaaa gcacgcccgtg ctagctgctg cgctggcccc cctggcagcg 180

gtcagtcctt ccatcacggt ccacctctc cccatcccgc cctgcgccac cagcaagcag 240

cattcccacc ccatcatgcc catcctggat gcgctccgcg ccgcgaacct cgcgctccgg 300

gcgttccttg ccgcgcgagt cctgcgcgtc gccctcgtg gtcgacatgt tctgcaccga 360

cgcgctcgac gtcgcccggg agctcgcat cccgcgcac ttcttctacc cgtccgccgc 420

cggcgacctc gcggtctacc tncaggttcc agatc 455

<210> 24015

<211> 217

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F12

<400> 24015

accacgcctc aggatacgac cgtgctgctt ttccaaatgc taagcgtgaa ctatctaaac 60

cgaatattct acttgacaaa acaacattct caacaccata ctcatcctac ttactatcat 120

cgtcatagat cttacataga aacactacct actcactact gtactactcc tactagcacc 180

ctgttacatt atcaacaaca gtccatatca taccat 217

<210> 24016

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F2

<400> 24016

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gacgcgtcaa caacagccag ctgcgaaaa taatgaagag ccgcaacatg gctatcatct 120

gccgcgctct tggtgctagc cctcgcgcta gtggcgcca ccgaccgcac aggtagcgta 180

ggcatagaag atgagagcgg cggacagcgg cgaggcgcg gatgcgaaga agatccaaga 240

ctactttctgc tggacgtgt gcgaaggcaa gaaggcgacg gacccggtcg tgtgcaagga 300
gttctgcgcg ctctacc 317

<210> 24017
<211> 300
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-F3

<400> 24017

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cgagagaagg atggcagtgt ctcaggagc tgtcctattc ttgtttctcc tcctcgtcgc 120
agcagatgtg ggaaccatcg atgccaaaat gggagtagcc atgcccatgc atgccttgat 180
aatggagaaa gcgaaacagc angagaagga gaagaaggag gagaaaagca cggagaatga 240
agagagtcaa tgcttatcgn cgagtcttca gttcgagggc ttctgcttaa cagcgacaga 300

<210> 24018
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F4

<400> 24018

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atggcgccca acgtcatcag cgccgagttc cgcacgttca tcgaggtggt cttcgagaac 120
cccgagaaga gcatcgacac catccacatc gacggctacg ctttcttcgc cgtcggcatg 180
gggcccggca aatggacggc agcgtcgcgg agtacgtaca acctcctgga cacggtgagc 240
cggcacacga tccaggtgta cccaaggctc tggacggcgg tgatgatgac gttcgacaac 300
gcgggcatgt ggagcgttcg ctccaacatc tgggagaggc agtacctcgg cgagcagctg 360

<210> 24019
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F5

<400> 24019

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gtcgcgtcgg ccgccgcggt tgccgccgcc gtcgacgcgg aggaccgct gatccggcag 120

gtggttcccg gtggagatga caacgatctg gagctgaacg cggagtccca cttcctgagc 180

ttcgtgcagc ggttcggcaa gtcctacaag gacgccgacg agcacgcgta ccggctgtcc 240

ggtttcaagg ccaacctgcg ccgcgcgcgc cggcaccagc tgctggacct gtcggcggag 300

cacggcgctca ctaagttctt cgaccttacg ccggcagagt t 341

<210> 24020

<211> 132

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-F6

<400> 24020

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gcacgccccat gt 132

<210> 24021

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E1

<400> 24021

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aatacgtaac acattgcact cagactacat atactgtgtt tgtgtgttgt atgccgtatg 120

cgtgtgtgag cttgcgcaaa ttggacatct aggccgtgcg tatectgcga tgaaaggcgc 180

cgtcatcggc gcatcgaccg tcctgggtcgt ggcgggtggtg gccaccatct gcgtcgtttc 240

cttcaaaggc agcggcgatg gcgggagggc cgatgagggc gagatgtcca cgtcggtgaa 300

gtccatcaag 310

<210> 24022
 <211> 312
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-F7

 <400> 24022

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 gcgctgctgc aaagggtgt ggcttcggag tgttccctat ctttggcctc gaggcataata 120
 aacacggatt ctacttcgac ttctgcatgt ccaacatcgg catcggcatg ctgtgcccgt 180
 acaccatcac cgtgtccatg ttcatcggga gcgtcgtctc gtggggggctc gtcttgccgt 240
 acctcgcgac caaggcgggc gtctgggtact ctctgcacct cagccccagc aggcctcagc 300
 ggcatcaggg gc 312

<210> 24023
 <211> 221
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-F8

 <400> 24023

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 gcggagtctg tggggagtga tggtaggta cacatggagc aaggccctgt cctgtaagcc 120
 ctgcattatc cacttggtgt tgtaaaatga attgcatgtc ttactcgat agaaggtaat 180
 atgtgatgtg tcgcaagggc atgcagtcac agttccaatg a 221

<210> 24024
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-F9

 <400> 24024

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 agaagaaaag aatagttagg toccggaggt cgatcgaacg aagctgctga tgctaccggc 120

cggccggggca tgacgatgac acggacgatg tgccctaggcc tgctgcttct actactggcg 180
gcggcggtaca cagcgacggc gcatgtgacg gtcagcgatg tggatgagta cgtgtccaag 240
cgcacgcagg agtacagcca caggaacaac ggtcgcgcgg ccatcgatga cctcatctcc 300
agtgcggcgc gcttccacgc caacgtggat gcacgcctat ggccgtagat acgacctgca 360
ngacgaggca gcagctaccg t 381

<210> 24025

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C10

<400> 24025

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tgcgcaagca gtctctgcgt cccgacaaca tcaagatgtt cgtgttggat gaggtgatg 120
agatgctctc ccgtggattc aaggatcata tctatgatat cttccagctt cttccatcca 180
agattcaggt cggagtcttc tcagctacca tgccccctga ggcccttgag atcacgcgca 240
agttcatgaa caaacctgtg aggattctcg tcaagagaga tgagctcacc cttgagggta 300
tcaagcaatt ctatgtcaat atctacaaga acattggaag ctcgacactc tgtgtgacct 360
gtatgagacc ctggcaatca cccagagtgt catctttgtg aacacacgcc gcatgggtgga 420
ctggc 425

<210> 24026

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C12

<400> 24026

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ggttcaacct tcgtattcgg aatctcgacc tgtcacataa attaccacaa caatatctgg 120
ctatcctcta tcaagccttt attgtgacga tgctttctca tccttatata tctactttta 180
ctattattgt tatccataac tcatctactg ttacatttgt caccaccaa tttagaacca 240

aatctccgta tacacctttg tcacacatgt tagatttaca ttactgctca cctgaccctg 300
 atagttatag cgcttaatac tccaggatat cgacgcgaac ggcacgtaca cgatcgagct 360
 caaggacagc cacgaggagg acatctgcga ggtggtcttg gtggaaagcc cgcgcaagga 420
 c 421

<210> 24027
 <211> 281
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C2

<400> 24027

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 taattgatga agaagctcta gtcagggcac ttgattcagg ggtagtagca caggctgctc 120
 ttgatgtttt cactaaagaa cccccagcag ctgacaacaa gttggtactg cacgggaatg 180
 ttactgtcac acctgacctt ggtgccagca cagtggaagc acaagaaggg gtggctattg 240
 agatagctga agctgtcatt ggagctctga aaggggagct t 281

<210> 24028
 <211> 58
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C3

<400> 24028

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<210> 24029
 <211> 333
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-C4

<400> 24029

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cgctgttctg atcaatgcc a tctttcgagc tgtacctgtc gcaccggaat cagtatggct 120
agaaggtgca ggcttcttg agaaactgca tgccacagag attttgaaga ggttctatca 180
gcaggcggca tcggtctatc ccttctcctt caagctgtgg cagcccatc tgaattactg 240
caaagccagt gggagcaaca ctgagagcat cctggaaagt gcgaagcaac gtggcatcga 300
gcctaattctg acaccaacat aatgggtccc ttg 333

<210> 24030

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C5

<400> 24030

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aaccgatgc tccgcctggc caagcgcac gcggccaagg gcctcctggt gaccttctcc 120
tcgatctcca gagtcggggc gatgctgcc gcgtccgtgg gcgtgtcggc cggcggtgac 180
ggcgtgcctg tggggcgggg ccgcgtccgg ttccagttca tggacgatga agaccccgga 240
cctgacctgg acgacctctt gcggcacctc gcgaaagacg gcccgccggc gtttgccgag 300
ctgctggaac ggcaagcggc cgcggggcgg cctgtggcgt gcgtggtggt aaaccggttc 360
atgccgtggg 370

<210> 24031

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C6

<400> 24031

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ggcaacatgg caacaacaat ctgttccggc cgccaaacaa aaccaaaaaa aaaacacact 120
gaacccaata atccgatccc acagaaactt ttctctcggc ccgttcgac gatcgctgcc 180
gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg gctcagtgcg 240
ccaccgcgct cgcggcgacc gtcgcgcccc gcaccctag ccctgctgcg 290

<210> 24032
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C7

<400> 24032

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gttcgaccgc cattgccgat cggaggatga acaccagcac ctaagaagat gtgagagacc 120
gagggagaga gaataagaac gccctgtgcy gatctccctc aaacgcgaga cgctgggatg 180
gatgacctcg gggccgcgcc gctcgcaaat tttggcccgc gccttgggaa tttctcgcca 240
tcgaagttaa atccgccgta gatccgtttt cgcctgtggc agaggattcc gcgccgctaa 300
gcttgagaac gagttggtcg aagaacccga agaactcgca agagaagccc ctgagcagca 360
atcggttggt gg 372

<210> 24033
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C9

<400> 24033

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agaagaaaag aatagttgcy gtcccggagg tcgatcgaac gaagctgctg ctgcataccg 120
gccggccggt acatgacgat gacacggacg atgtgcctag gcctgctgct tctactactg 180
gcggccgcgt ccacagccac ggtgcatgtg acggtcggcg atgtggatga gtacgtgtcc 240
aagcgcacgc aggagtccag ccacaagaac aacggtcgcy cggccatcga tgacctcatc 300
tccagtgcg 309

<210> 24034
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D10

<400> 24034

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ggtaatgagg tgctcgctcc agaggcggcc gtcgccgagc ccgaccacaa ggaggaggaa 120

gccgtggaga agaccgtctt cgaggacgag aagccagcgg cagcagccca tgcagaggaa 180

aaggtcgcca ccgccgccga gaccacgact acggtggagg cgaagaagaa cgccgaggag 240

gccgcgaagg agaagctggc gcagcaaagc tgatcgactg tccgtgcatg cgtgccaatt 300

aatataattg gctgatgatg cctgatgttc aagtatact attatcgatc a 351

<210> 24035

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D11

<400> 24035

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tggtcggccc gtcgtgctct gtttcgcgct cgatcatcacc cacgtctccg cggccctgtt 120

cgcctagcca acggctaccg gcgcggaaac cccaagaggg gcaacggacc cgcgatttaa 180

tccaggggtc gggatatact tctactaat tagagcattt attaaattaa agtgaccaat 240

cagttaatct ctggcctgga ccttagagct aagacactat attttgggtca ggatccatgc 300

ctggattttt ttacacattt aatccttaga cactttaaaa cataacttaa gacactcatt 360

atacatgccc taaatggacg ccataaatgg acgccatcta cgtgtacctc ggtatactat 420

accgctacgc catataaacg tatacctgcc gtctcactac 460

<210> 24036

<211> 87

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D12

<400> 24036

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cgagctgctg tgcattgcga cgatcatg 87

<210> 24037
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D2

 <400> 24037

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 tgtagcggag ttccagtttt cttgtgtcct gtacaatggg gccctagaga atgcatgcag 120
 tgagcttgga gcccgtatgt ctgccatgga cagctctagc agaaatgctg gcgatatgct 180
 tgatcgtctc actcttactt acaacaggac acgccaagca tccatcacca cagagcttac 240
 tgagaatata tctggtgcat cggcccttga ggggtagtga aaaaactgcg gacttcttcc 300
 ttttgccgga tgtgtttctt ttccatgaaa gctttttccc t 341

<210> 24038
 <211> 150
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D3

 <400> 24038

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 aggtggacgt ggagtcctgc aagaaaggag ctgcgccggt gccatagccc atcgatgctt 120
 gcgacgcaga ggacgacctg gtggcggaca 150

<210> 24039
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D4

 <400> 24039

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 ggtgaccggc gcggcggcg gtgtcaagga caccgtgacc ggcggccact gatcgacgac 180

ccaagaatgc ttcattgcatg gccaaagtgtt gaggggtttga ggccaaagat ggcttgaatt 240
 tccgtccttt tttgctttat tttttgacat tattgtttta acatgtttca ttcacccgtc 300
 tctgattggg att 313

<210> 24040
 <211> 320
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-C1
 <400> 24040

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 ccccgcgcca nccaacgncn cgaccnggct ggccgcgacc acaccgacta ccgcaagaag 120
 agccagacag aacgctgtta ctcttcacc accactgctg agcgggaaat tgtcagggac 180
 atgaaggaga agctcgcta cattgccctg gactgcgacc aggagatgga gactgccaag 240
 accagctctt ctgttgagaa gagctacgag ctgcctgacg gacaggatcat caccattggt 300
 gctgagcgct ttcgctgccc 320

<210> 24041
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-D6
 <400> 24041

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 ggggaagaag accggcggcc ccgtctcgcg ctctcccgcg gccgcacccc aggagaagtc 180
 agctccgaag aaagatgttt atcaattggt cgctgagaag gtcagggata acaaacaact 240
 ggaatcaaga tgggcatca tgcaagaaac ccgctgggag tatttccgtg gaaaagattt 300
 caataccttc gtcaagaatc atccagaagt cagggaatt ttggggccag ataaggattt 360
 ataggtggaa gacattggta acactttgct g 391

<210> 24042
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-D8

<400> 24042

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 ggaacagaag aggcagccat ggccgtgatg gagaagctca agatcttcgt tgtgaaggag 120
 cctgttgctg cagcttcctg tctcatcgcc ggattcggtc tctttcttcc agcagttgtc 180
 cggccaatcc tggattcatg ggagaccgca gaaaaagttc ctacaccacc tctaaatgat 240
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 tgctggccca cattttctta cccatgtttt ttctggcggt taatattgga aaggtcttca 360
 aaggcacggt tttcaaagtg acacattggt tgaattt 397

<210> 24043
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D9

<400> 24043

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 tggccagcat caatgagatg ccggtgctgc atgacgggccc gccgacgggc ggtttcgcgc 180
 acgtgcgcta cgcgcgccgg attccacact agggccccag cgccactgcc atcttcctca 240
 cggctcttcg cgccttcacg tatggcatgt actcatgtcg gtcaaggga caaggtgcgc 300
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 agaggatgaa agatctgtca aagagtgg 388

<210> 24044
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A12

<400> 24044

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gaacgccatc tccagccctc tgcgacgcca cgggcgcgaa tgtgactgac gtggcttacg 180
ccgagggcaa ggacactagg attggcccca atttcctgaa caccagtgtc gggttcgggtg 240
ggctcttgctt ccagaatgac atcctgaacc tgaagtacat ctgctagtgc aatggcctgc 300
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aataacc 367

<210> 24045

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A2

<400> 24045

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ttccttggtgta cagcctctga tacatagaaa gacagtcata agaatcctta tgatccatct 180
cacagattgc tccaggtatg ccagtgggat ggataatata atttggctga cagctatttc 240
atcggaacag tccgatatcc tccgaaagaa gaacaaaaga acaaaaggca ttgctcaatt 300
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<210> 24046

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A5

<400> 24046

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gtctgtcccc atcgccgtcg ccgtcgcgcc tctgtcctg ctctcctcg tctccactgc 120

gtccgctgca cggaccgtgg gcgacaccgt gcaggacgcg tgcagcaaga cacaattccc 180
 caagatctgc gtggacagcc tcgccgcaaa gccagagagc cagaaggcga ccccgcgccg 240
 gctggcggag ctgttcgtga acatcgccggc cgagaaggga tccgggatgg ccacgttcgt 300
 gcacgggaag tacaacaacg cc 322

<210> 24047
 <211> 161
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A6
 <400> 24047

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 gagaagttca tagtgtacca gtctgtgctt tggagttatt ggtctcttgt atcttcggga 120
 tgtcgcagac ccaaaggttc tttggatggg gtatgagccc t 161

<210> 24048
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A7
 <400> 24048

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 cggacccggc gccgacacga tccggtggat caagtgcac acaccttag ggaggcccct 180
 tggacagcag tttgtgctgc aaattctata tagctctgtc gcagcatggc ctcggtgggc 240
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 cttcccaacg agttgggcag tatgagcata agggacgaca aggacgttga agatattgta 360
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<210> 24049
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A8

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caaccttgga actggaaaag gaacatcagt gttggagata gtcaatgcat ttgagaaggc 180
ttctggaaag aaaatccctt tggatcatggg tcaacggcgt cctggtgatg ctgaggttct 240
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<210> 24050

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A9

<400> 24050

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gcgagcctcc acctgctcca acaatgacgg cgccggatcc aacaccaaat acggtgatac 180
ggttgacaga ccaccaagga tccaccttcc tacaatggtg tgggtgcagat acaacaacat 240
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ttgacgaaat catgtctctg ttattaaatg gttcccgcac atctgctttg agctgatcac 360
cacgccttgt ggacacaggc actgtgttcg aggagcctat tatatgcaca aacattccaa 420
gacttgttct aggatggact aata 444

<210> 24051

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B1

<400> 24051

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 cagggaggag tacggcttcg cgcaccaggg cgccgtcgtc gtcccgtgcg ccgtcgagcg 180
 gttcatgcgg gcggtggaag cctcggcgtc ggcggggaac aggcacgagc accaccgtca 240
 cggacaccat caccaccact ttcgcctgcc tcatattcac atcgcccggg gcttttagacc 300
 gtcgcacgtc gttgcttagg attcacgtcg agcgcgcgcg agtagcaaaa aaatttcatt 360
 ttcttttttg ttggaagtg gcaagaattc tggttttttt tcttct 406

<210> 24052
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B10

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 gagctcaagc agcgtgcccc ccgtcaagga ctgcgaggcc atctgcgacc tcgtctactc 120
 gctcttcgtc tccgaggagg tggacaaggt ggagctgctc tactccaagt tcgtgtcgct 180
 ggtgcgctcc gaccccatca tccagacgtc gtccccatg tcgccaagg gcgagatctg 240
 cgacgtcaac ggcgtctgcg tggacgccac ggaggacgag ctcttcgct tcaccaccaa 300
 ggaggggaag ctaccgtgg agcgcgagaa ggaagatcga gacgcagccc ttctcccccg 360
 tgggtgcagtt cgagcaggac cccgtgcaga tcctggacgc gctgctcccg ctctacctca 420
 acagccagat 430

<210> 24053
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B11

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 gccgctgcc a cgtgatgct tcctttctag atgaccatgg tggctttgag ctaacatcat 180

agtcacagag cagcaattct tctgggaatc tgtgtttctca tggatcatgca tgggaatggg 240
agtcgatatg actacgctta ttaggagttt atgaatttct cctcaagata tctaggcctt 300
tgtttcatcc tttgggactg gttgggtaac ttttgcattg ttttcttcgt ttgtaatttg 360
aatgacaatc aatgaattta ttgtgtagtt gt 392

<210> 24054

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B12

<400> 24054

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gcgcccacgg acaagtcgtt cgacaagcgg cgagtggcgt tcaacatcct ctccggcagc 120
tccatgtcgt gcccgacgt ctccggcgtc gctggcctga tcaagaccct ccacccggac 180
tggagccccg ccgcgatcaa gtcggcgatc atgacaagcg cgacgggtgct ggacgcggag 240
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cacgtgttcc cgagccgcgc gctggaccca gctcgtgtac gacatgagga cgatgaacag 360
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cactgcgcac ggtctttt 437

<210> 24055

<211> 276

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B2

<400> 24055

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tgcgccctga agccggactt ctatagccag tcgtgccgcg gcgcggagcg gatcattgcg 180
gaggtgatgc agactaagca gatggcgaac ccgacgactg ccgctggcct gcttcgcgtt 240
tcttacacga ctgcttcgtc agccggtgcg actcgt 276

<210> 24056
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B3

 <400> 24056

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 aagagccgca gcatggcatc atcggccgcg ctcttggtgc tagccctcgc gctagtggcg 120
 gccaccgccc cacaggtagc ggaggcaaag aagaagagag cggcggagag cggcgaggcg 180
 gcggatgcga agaagatcca ggacgacttc tgctcgacgc tgtgcgaggg caagaagggg 240
 acggacctgg tcgtgtgcaa ggagtcctgc gcgctctccc agcagtccaa cctggtgctg 300
 tacggcagga tccagtgcaa gggcaagtgc accgagcaga atggcatcac 350

<210> 24057
 <211> 236
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B4

 <400> 24057

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 taggggatca ttgcatgata tcctccatgg taaaagggt gtcaaaggag ccagccagg 180
 gccagtccctg tcatggatgc aacgagctag gattgccgta tgtgctgctc gaggtc 236

<210> 24058
 <211> 288
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-B6

 <400> 24058

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ccgtgccctt cttgtgctgc tcatcgctgt ctccagcgcg gcggtgtcga ctgcccagga 180
cgagagctgc tggaaggacg acgaccacca ccctatctgc ttgcccgagg actgcgtggc 240
gacctgccgg gatcacggcc acgcggacgg ccgcttcaac tgggcatg 288

<210> 24059
<211> 374
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-B7
<400> 24059

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gtgctttggg gtcgaatcac aaaattatgtt gccaaaacga tacaataaaa ttatataaac 120
aagggggaaa aaatgccgaa cgaaggatgg gtggtgttta acggagcggc cacgcacaat 180
cccagggcat ggagactact aattaattaa tgttggcggt ggtgtcgttg ttcggatgca 240
ttcaatcaca ggccttgctc tacgaggttag tcaccgagcc tctcaaccac catgttgcac 300
tgtccagggg tcatgggctc gtcgtagatg ccgatcacca gcgcctgtcc ggtcttcttc 360
acaggtatgc cttc 374

<210> 24060
<211> 235
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-B8
<400> 24060

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gcgagcaaaa gggaaaacgc tgatcgagc aacgaagccc gcagccatgc cgacggcgac 120
ggccacggcc acggcagctc ctgccacgc ggcgctcttc ctgcccctgc tgctgctcct 180
gctcggcctc cagccacgt ccgccggcgg cgcgcgcgcg ggcgtcgccg tggac 235

<210> 24061
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A11

<400> 24061

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gaacgccatc tccgcctctt gcgaggccac cggcgccaat gtgactgagg tggcttacgc 180
cgtgggcaag gacacgagga ttggcccaaa gttcctgaac gccagtgttg gggtcgggtg 240
gtcttgcttc cagaaggaca tcctgaacct ggtgtacatc tgcgagtga atggcctgcc 300
cgaggtggcc aactactgga agcaggtgat caatcaacga ctaccagaag agccgggttcg 360
tgaaccgcgt cgtgtcgtcc atgttcaaca ccgttgccgg caagaagatc gccgtcctcg 420
gcttcgcctt caagaaggac accggcgaca ccaggaaga ccccggc 467

<210> 24062

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B9

<400> 24062

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ccggagagga agccgatcca agcaacgatg ccagccggat catagactca atttcggtac 180
acgcagacgc cgtccaaggt gctgtaccta gagaacatgc cttggcaatg caccgaggag 240
gagctcgtcg agctctgaaa accattcatg cgggtcgtaa acaccatgtg cagcgacggc 300
gataaccgaa accaggcaac cggcgagtga gcagatgaac caggcaa 347

<210> 24063

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G8

<400> 24063

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gtcgccttgt gcgcgcggta tgcacgggcc gtgggcacta caccocagtc aaccttcagc 120
tacaaggagg gtgaccctac cgggcctaca aaatgggcca cattgcagaa ggactgggat 180
gtctgtgaca gcggcaccga gcagtccccg atcgacgtcg ccaaggtgga ggtctctgag 240
gatttagacc cgctgcagca gacctacgag cctggctact ccgtcatgca caaccggctc 300
cacgatttca tgctgaactg gacaggaagg aacggcggcc tgacaatcga agggaagaag 360
tacaagctga agcaggtgca ctggcacgtt ccctctgagc acaccgtc 408

<210> 24064

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G9

<400> 24064

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aatgcaatc ttacacaatt ggctcacttt tacaataaac tataaatcca tccaaccatt 120
atatacttaa atctacatat atcataattc acaaataaat tctataatcc taccaaataa 180
atcttataact attcctcaac ataaactctc atattgcac ttccatatac gtataatcta 240
taaaaactct tctatcacca tttatatatt caatcaactt attcaattct atttctttaa 300
tttcatttcc taaaatataa catcatatac atatcatcat tacaaaaagt ttcatttcat 360
acaaaatttc ttt 373

<210> 24065

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H1

<400> 24065

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agccacgta ctacacgttc ctgaagctcc tgcgagacac caaggtcgcg ggcgaagcga 180
atcatctccg gtcggcgacg ctactggtcg tgcccgacga acttgccaag cctatggcgt 240

cactgcccgc ccataaggtg ccgctggcgg cggataacca cgtacttctc aagtactacg 300
 accccatcaa gctggacgag atgaagacac gaaccgacat tctgcccacg ctgctctacg 360
 taaccgacaa gaaacta 377

<210> 24066
 <211> 145
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H10
 <400> 24066

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 ccggacaggg acaccgtcgg cgaac 145

<210> 24067
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H11
 <400> 24067

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 gtgcacaaac aatgcgatga gagccttggt cctgctggtc ctcttctgca tcgtgcatgg 120
 tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgctc gggcctgggt ggtccttcga 180
 catcaccaag ttggggcgct ccggcaatgg caagacagac agcacgaacg ctgtgcagga 240
 ggcattgggca tcggcgtgcy gcggcactgg gaagcagaca atcctcatac ccaagggcga 300
 ctctccttgct ggacaactca actttacagg cccttgcaag ggcgacgtga ccatccaggc 360
 ggatggcaat ctgctggcga ccacggacct aagccagtac aaggaccatg gttattgga 419

<210> 24068
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H12

<400> 24068

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ttctgacccc ccagagcgag agggaggggc acccagagga gcctgtcgat gtgatcggcg 120

tctctctgcc cccgttcccg cgaggagaga acaacctgga gaaaatggcg ccgatctccg 180

gagccacggc cgtacttgtg atggccgctg tcaacacgct cgccgccgcg gttaacgccc 240

tggtcacgc ccagcacct gctaccagtg acggtacaag ttagaccag ggaatcgact 300

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tcgactacaa gctc 374

<210> 24069

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H2

<400> 24069

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gagggtgaac cacatccggt ggaacctgta attgatagta gcagatattt tgtactacgt 120

gttgaagaga atatagatgg gcgtcagcgc catgctttca taggtttagg cttccgggaa 180

agacctgaag catatgactt ccaagctgcc ctacatgata atatgaaata tttaaacaag 240

aagaaggccg ctgaagagat gattcagcat tatgagaagc aatcttcagt ggattacagc 300

ctcaaagaag gggagacatt gggtcttcag cttaaaaata aggaaacagg caccaagaca 360

aaatcgacat tttttgagca aggcctaaac aagctctccg ttaacgaaaa gac 413

<210> 24070

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H3

<400> 24070

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cgatatcatc cgttatcgag cggattagcg gccttctacg atatcttgac ggtgccatac 120

agactaagat tctacagttc tgtgctggtg atactcgacg agccggtgag ccatggtgtc 180
aaggcaggcg ccgtactccg actattcgcc gtcacctaag gaccatctaa acctctggaa 240
gaagcggctc tagcaattgc gcaagtagaa 270

<210> 24071
<211> 339
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-H4
<400> 24071

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catatgcata atcttacaca actactgcaa agcataccat gatcatacct aaagtcgact 180
tacttgctga accactcagc ttcacatgac cttgccatgg ctacgtgacc atacatgtag 240
atagcaatct gctatcgacc acagccctat accagtaccg tgcacattat cattgaaacg 300
aaagactacg cctgcataac ctatgcatca catgctatg 339

<210> 24072
<211> 410
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-H5
<400> 24072

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acccaataat ccgatccac agaaactfff ctctcggtcc gttcgatcga tcgctgccgt 180
gtcgtttgcc agacaccatc agcacccaaa accatggcct gcaacctggc tcagtgcgcc 240
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tccttctccg cgaggaagcc ggcgggcggc agcctgcggc tgcagcggca ggcgtgctgc 360
gagccgtcgg tggcgccgtc gcgggcggtg ttgcctgcc gggcgcggc 410

<210> 24073
 <211> 394
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H6

<400> 24073

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 cgacggggcgc tcgacctcga ctgcgtccca ttaggcctct ccaccaagcc cgccatcctc 240
 aaggtgaaag attggatgt ggagtcattc cgtgaaatcc ggtcctttcc agaggtgaag 300
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 aatgtggtgc ctgcgattgc attgcgtgtg cagc 394

<210> 24074
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H7

<400> 24074

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 gcaggcgccg tcctccgccg ctgtgccgtc gcgcaaggac catctcgagg ccgggaagaa 240
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 gcaggcaaaa gcgcctgcgc ctgatgtagt ggagaacca cctccaattg tcaatgctgg 360
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<210> 24075
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H8

<400> 24075

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tctcctgctc attgtgtcca ccgatatggc acaggcaagg gaatgcgaga agtacagtga 180
gcgatttggtt ggggcatgca tgatcgcaga caactgcgcc aatgtgtgcc gcggtgaggg 240
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aacaagatcg ctcgatcgct cgccatgcat cgacaacctt ttcttaataa cgttcattat 360
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<210> 24076

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H9

<400> 24076

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tgtcaccgcc gcggcggacg ctgtcgatgg ggagcggcgg cgccatggga cgccgcgcgg 180
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ccaccgtgct ggaggtgtgc cgccggatgg ccgcgcggag ggccgacgcc gcgctgctca 360
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<210> 24077

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A1

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ggcaacctcc cctgttccac gtttcgtcct cgctgccag gctgccatgg ccgcgacgtc 120
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<210> 24078
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A10

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 gttgaggctg ttgcagacag ttgccagag cgttcatcca tatcatcagc aaccgggtga 360
 attccacggg gccaatgca gctgaagttc tgaagcagaa aggtgtctac aatccaaga 420
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<210> 24079
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-G7

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tggcagcgca acgtttgttg tcgtcatcat ctttcctcgt cgccggtctc agaactcgac 240
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ctggcgcatc acgggtggga tgaaccctt gtacagcgcc atgggtccct ccgacctgac 360
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<210> 24080

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F11

<400> 24080

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gctttgtaaa gtttgggagg acatgcatca taattgaagt caagtgatag gatcctgttt 180
tttaagtaca cgatacaaca caaatcttaa catactccct ttgttt 226

<210> 24081

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F2

<400> 24081

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taatattggg caaaactgta atgagaatac ctacagaact ccccatgatt ttgttgaggc 180
tgctgctttt caatcaaacc catcaaattt cagtgggctg aactttaaat tcggtgtgtc 240
atcctctcca caaatctctg ctgcggcagc ggcacaaaga cgtagcacia gaaggaagtt 300
aagaacaaag ggtagtctag catcgaaacc ttcaactatc gac 343

<210> 24082

<211> 134

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F4

<400> 24082

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gcgctgatcc tcggggctct agtcgtggca ttgctcgtgg agatgaaacg tctgagagct 120
gcaacggacg cctg 134

<210> 24083

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F5

<400> 24083

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cctgaaatct caagtgccag gcaagtgttg cccttgatca cttcttttac ccactcatgt 120
tctaattaat cataatgata tgcataagtt aattttgatg ggacctataa ggatacccta 180
gtttgtctat ctttatgcct tgtttaccac tgaacttttt gggtagtact tgctagtgtc 240
atatgtgggtt ttgggcattg agatacacat tattcatgat tataacttttg ttatccgttg 300
ttatttactg ttcattgtcaa gatcattaat gttaattgga acatagagct taacttgaga 360
aacacgtgcc accacaaggg tttatggacg cccttggctg 400

<210> 24084

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F6

<400> 24084

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ctcacttttg cagagcatgt gcgggggttc acccacacat ctgtcatgga gtccctgagca 120
tcatgccaca gatgttgatt acacttggag cactgtacat acaccatttg gtcccttttc 180
atagacaaaa tcaactgtctt ttgtgcagaa tgatgcatct cgtaagaatg tgcttctgac 240
aacctgaac tacacaatta ccaacacaat agatgttttg gaggccatgg tagcacatgg 300

cggacagaat tatcttataa agaatatgca tgttgaattc attcaaaggt tg 352

<210> 24085

<211> 407

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-F7

<400> 24085

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catcacccgtc aacgaggccc agtcccgcgg cggccgtgga ggcggcggcg gcggcgggta 120
cggtggtggc cgtggaggcg gcggctacgg cggtggcggg cgccgtgatg gcggcggcgg 180
ctacggcgggt ggcggcggct acggtggtgg cggcggcggc tacggtggtg gtggcggcgg 240
ctacggcgggt ggcaaccgtg gcggcggcta cggcaactcc gacgggaact ggaggaactg 300
agcggtgggg cccgcgcggc caagttatcc tgttcgctac cgtgttggtt accctagtcc 360
agagtgttta tcttcgttcg tctcgtgtnt gttgttgccc atctgtg 407

<210> 24086

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-F8

<400> 24086

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ggccgccctc tcggcgcgcg ccgcggcgca gcaggtgccg ccggtgggag gcagcgctct 120
gaagccggac tactacagcc agtcgtgccc gcgcgcggag cggatcatcg cggagtgat 180
gcagacgaag cagatggcga acccgacgac ggccgcgggc atgctgcgcg tcttcttcca 240
cgactgcttc gtcaccgggt gcgacgcgtc ggtgctgata gcgtccaccc agttccagaa 300
gtcggagcac gacgcggaga tcaaccactc gctccccggg gacgccttcg acgccgtggt 360
gcgcgccaag ctggccctgg agctggagtg ccccgngtg gtgtcctgcg 410

<210> 24087

<211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-F9

 <400> 24087

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 gcacacaacg ctctccgggt gtttttcatc ctagccgtgg tatgtgccgt atgcacagcg 120
 aaaaggacag gagccaacaa ggaagaatcg gcggcagccc ccggtggcgc tgctggaggc 180
 agcggcggga cgttcgacat ctccaagctc ggcgcgacca gcgacggcaa gacggactgc 240
 acaaaggcag tccaggacgc gtggacgtca gcgtgcgaag cgaccggaag cgccacgggtg 300
 gtgatcccca agggcgacta cctggtcggc cctctcaact tctctgggcc atgcaagggg 360
 agcaacatcg ccatccagct ggatggcaac ctgctgggat caaacgacct ggacaag 417

<210> 24088
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G1

 <400> 24088

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 ggatccagga tggccagtgc tccttgagac cttgcctccc cgagtgcctc cggtgagcta 120
 ctttgtttcg atttatcagg aaatccgttt gcttcatgtt gtgcaggctc atatctgatt 180
 gctggattcg gcaaaccgc gttggatcct gtatcggtta gtccttgcct gcaaggttct 240
 tgttgttttg ttttggtggt cgagcatcgc atgttctgct tctggatcca gatctggaga 300
 aatcgcggaag tcgtcgtcgc tcggttcgga gcggatctga ggcgacgata gatggacgcg 360
 gcgggatctc tcggtctgca gtctgtctcc acctcgatgg atgatgtctc tgc 413

<210> 24089
 <211> 255
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G10

<400> 24089

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tctaccccg tgagcgtgga ggaggcgtgc cgcggcgct cgcgacgca cgcggcgctg 120
gcctacgacc actgcatggc gtcgctgggc gccgactcgt gcagcaagga tgccgtcaac 180
aagaacatgc acggtctggc tgttctgacc tccattatgg acatagacta ctcccttagt 240
atggcttcca aaatc 255

<210> 24090

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G11

<400> 24090

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ttccaggctc cgggtccat ggtctctc tcaaacagga ttgggagga gagcctcaag 120
gcgggggatc atatctactc ctggagggcg gcgtgggtct acgcgcacga cggaatatat 180
gtgggcatg ataagtgat ccatttcaca agaggaagag gacaggaggt cggaacagga 240
actgtcgtcg atattattct tgtgagttcc accccaaaac gaagcaacac gccttgcccg 300
gtgtgcaccg acgaaaccag cgacagcagc acagagacga acggcgtggg atcctcctgc 360
ctcagctgct tctagctgg ggtgctctc taccgtttcg agtacgcagt caaccggc 419

<210> 24091

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G12

<400> 24091

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tcatgaagtt tccagattta aaccctgctc cagcaagagc aagttctggg gcttcaagga 120
agatgatgct taattctaaa gatcttagct ttgtggggta tacatacaag aattttgagg 180
ccgtgaaagg ttgcatcag ttgacagatc ttcagagaag ttctcattt acaaggcact 240

ctgctggctc cccatctgat acagcagaca tggacgcctc gatggaagct aacgggaccg 300
acacacacat gcgcactggg tcagctggcg accctatggc gccataatct gccctgttgt 360
tttcgtgaag taccctgccc tacaccggca tcatgcatgc acctcgacaa catg 414

<210> 24092

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G2

<400> 24092

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tcgattccga actctggggg cgcgccgcgg cgcagcaggt gccgtcgttt ggccggcagcg 120
ctctgaagcc ggactactac agccagtcgt gcccgctcgc ggagcggatc atctcggagg 180
tgatgcatac gaagcatatg gcgaaccgga cgactgccgc gggcatgctg cgcgtcttct 240
tccacgactg ctctcgtcacc ggggtgcgacg cgtctgtgct gatcgcgtcc acccagttcc 300
agaagtcgga gcacgacgcg gagatcaacc actcgtctcc cggggacgcc ttctacgccg 360
tggtgcgcgc caagctggcc ctggagctgg agtgccccgg ggtggtgtcc tg 412

<210> 24093

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G3

<400> 24093

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agagccgcag catggcatca tcggccgcgc tcttggtgct agccctcgcg ctagtggcgg 120
ccaccgcccc acaggtagcg gaggcaaaga agaagagagc ggccgagagc ggcgaggcgg 180
cggaggcgaa gaagatccag gacgacttct gctcgacgct gtgcgagggc aagaagggga 240
cggacctggg cgtgtgcaag gagtcctgcg cgctctcca gcagtccaac ctggtgctgt 300
acggcaggat ccagtgcaag ggcaagtgca ccgagcagaa gggcatcacg gcgccggcca 360
tgaaggtctg ccaggaggag tgcgacaagg cgtacgtggg ga 402

<210> 24094
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G4

 <400> 24094

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 cttccatttc ctaccggcgc cgctgcagct ccacccatt cgcgcgacac catgagggag 120
 tgcattctga tccacatcgg ccaagccggt atccaggctg gaaacgcgtg ctgggagctt 180
 tactgcctcg agcatggcat tcaggctgat ggtcagatgc ccggtgacaa gaccattggg 240
 ggtggtgatg atgctttcaa caccttcttc agtgagactg gtgctgggaa gcacgtccct 300
 cgtgctgttt ttgatgacct tgaaccaact gtcacgatg aggtgaggac tggcacctac 360
 cgtcagctct tccaccctga gcagcttata agtggcaagg aggatgcagc caaca 415

<210> 24095
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G5

 <400> 24095

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 caaggcgtac gaggacgccg cctccgtgct caccgtctcc aagatccact acgagaatat 120
 caagatggag gactcagcca acccatctt catcgacatg aagtactgcc ccaacaagtt 180
 gtgtactgcc aacggcgcct ccaaggtcac cgtcaaggat gtcaccttca agaacatcac 240
 cggcacctcc tccaccccgagg aggcggttag cctgctctgc actgccaagg tcccatgcac 300
 cggcgtcacc atggatgacg tcaacgtcga gtatagcggc accaacaaca agaccatggc 360
 tatatgcacg aacgccaagg gcagcaccaa gggttgcctc aaggagcttg c 411

<210> 24096
 <211> 221
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F10

<400> 24096

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gtgatatatt taacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaaaaaaa 180
aaaaatacaa ataaaattca acatacaaaa aaataaaaac a 221

<210> 24097

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G6

<400> 24097

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attcgccacc tgcgcccttc ctgctcccgc gccgcgacca tacacctact ccacttcacc 120
acctactccc gtcacaccac ctccatgctg actacgacta ctaccgctac ccttcccgtc 180
tgccaccccg tcacccccga catcttccac gagtcgccgt caccgcatct acaccatttt 240
gtggggccacc gccacaacgg caccgatgtc cccatgccac attgccaccc cagccgcatg 300
cgggtggcatc gctggaggag ccgcttggca cggagatgga ccaggctcat gtgctgcttg 360
cgcaggacca gcggttgacg cacatggcgc tcgtgc 396

<210> 24098

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D5

<400> 24098

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ctctacacc gctgcacgga accagtctcg tctcactgt catcgccgat cacatgtcac 120
aggctcgcag atccctggtt ttagatgtta ccaaagaagt atcttttcat gagaagcaat 180
ggatatgatg gaggttctatt ctttattaag catgcgctcc ctgccacgc cccgtctcgc 240

actctcgcca cacctcacca ccggtggagg agcagcaggg ggagaccggg ttggaggccc 300
gcaggaggcg gagccacga tgcttatgtc cgtggggaac cagttgcagc ggccggccga 360
gtgcccgcga gcgccgcga agctggtgtg ggcgcctccg cttccgtc 408

<210> 24099
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D6

<400> 24099

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actgcaagac cggagcacac atccagctct ctgagcacat catctacca ctcacatgct 120
actacactgc actatccgat ccaacatcca attaccaatg acgtatcaca ctttgagaca 180
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gctcacactc tagatacaca tcaccaacca cttatgaaca tctactggag acctattttg 300
aggctgatat tatgccgaac ctacattgcc tattagcatg g 341

<210> 24100
<211> 255
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D7

<400> 24100

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cattctaaac ttctgggacc gaatacatTT tcagacactc aattccaaga tccattgtta 120
gatcctacca tacttcttct tcttcttctt gctcatctga tctcttttta tattcatcaa 180
caattctatc caactaatct tttttattaa tcatgctcta cctctccaaa catactctcg 240
cactctcgac acacc 255

<210> 24101
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D8

<400> 24101

aatccaagac aaaacatggc tgtgaatgtg agaaccatgt ggctcgatcgat gcgggacgag 60
gttgcgatgg ttgtggcggt ggtgttcttg gtgagcggcg catggtgcgg tcctacccaa 120
gtcctcccag gcaagaacat cacggccacc tatggcaagg actggctgga cgctaaagct 180
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aaggacgtga acaagcccc cttcaatagc atggtctcat gcgtaacat cctcatcttc 300
aaggattgac tgggttgagg gtctgtcttc aagatcaagt tctataagcc tgttgagtgc 360
tccggcaagc ccgtggtggt gcacatcacg gacatgaact atgagccta 409

<210> 24102

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E1

<400> 24102

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aaaacaaaca aaaaaaacgg gaacttttaa aatcttgttg ttacctaaaa acatacctac 120
atttctatcc atccaccgtt ttcatacacc accttcccac attataattt ttctatacac 180
taacttcaac tcatttcaaa gccccctctc tttaaaactc ttactcttct aaaaaacctt 240
tccttttccc atctcaatcc cctacatcca cttccccttt tcccactg tctttctccc 300
aaaacccctc cctacattcc cctttccatc atttttacac tcctaatttc cctt 354

<210> 24103

<211> 366

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E10

<400> 24103

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aaggacatgc taatcaagga cgtgaccgtg acggcgcccg gggacagccc caacacggat 120

ggcatccaca tgggcgactc atccgggatc acgatcacca acaccgtcat tggcgtcggc 180
gacgactgca tctccatcgg ccccgggacc tccaaggtga acatcacccg cgtgacctgc 240
ggccctggcc acggcatcag catcggcagc ctagggcggt acaaggacga gaaggacgtc 300
acggacatca acgtcaagga ttgactctt aagaagacga tggtcggcgt ccgcatcaag 360
gcgtac 366

<210> 24104
<211> 409
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-E11
<400> 24104

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aacatctatg ttggtggtgg catgggaagg acacaccgag tggaaactac attccctcgg 120
ctggctgatc cattgggtta tggtccaaaa gaagatatat tatatgctat aaaggccatt 180
gtcgtcacac agagggaaaa tggagaagg gatgaccgca cgtatagtag gatgaagtat 240
atgattgacc gttggggaat agataggttt cgggctgaag ttgaaaaata ttacgggaag 300
aagtttgaaa gtttccgacc attgccagag tggcagttta acagctacct tggctggcaa 360
gaacaggggtg atgggaaatt attctatgga gtgcatgttg ataatgggtc 409

<210> 24105
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-E12
<400> 24105

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ttaatatgta ctgggatcat gttgtgcgta tgtgtgtgtc gtcgttggtg gttgattctt 120
taatttggtt ctttttgctg tacttttgtg ggccatgaaa acgggggaaa cttggtaaga 180
acataggatt tctgatgttt ctttaaagat cgactaaaaa tttagtgttc atgatagaca 240
gacagtaacg attggatggg cttaaaatag ggggtctcagc aatgcacgta aaataggggt 300

ctactttata tttttgacat tgctggaagt aggatataaa tggatatagat attattggtg 360
tataactc 367

<210> 24106
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E2

<400> 24106

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cgccaagtcc accgtagagg gcatgtgccc cggcaaggtc tcgtgcgcag acatcctggc 180
cttcgcggcg cgcgacgccg ccgtggccgc gggcctcccg agatacgagg tcgcggcggg 240
gcgccgcgac ggcattgcgt cgaacatgga cgacctcccg ggcaacttcc ccgtgccggg 300
ccaccacgtg ccgcgcctca ccgagctctt cagccagcgg gggctctccc aggaggacct 360
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<210> 24107
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E3

<400> 24107

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cattttttct actcacaact attactatca ccaaataacc ttaatcgaca tttttcactt 120
aaaaccctca tctcatacct ccacactatc taataacccc acaccacctt tttcccataa 180
cataccatat actacatttt caacattata aatcaattct attcgctata acatctacta 240
cctacaaaac tattactccg acctacctaa tacattctca ttcaacacca atctat 296

<210> 24108
<211> 406
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-E4

<400> 24108

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gccagcgcgcg ttcccagggg aggtagccgc cgcggctgcg gactcattcc cccctgttgc 180
cgcacttcag cacattatcg acgctatcca tacctttacc gggctgaact ggtgggtgtg 240
catcgcgctg acaacattta ttatccggag cgccacagtc ccgttgctcg tgaaccagtt 300
gaaggccacg acgaagctaa gagcaataaa tccagagatg gaagtcatta aagaccagat 360
gaatagtatg gatccaaaat cagtgcanga gggacaagct aaaatg 406

<210> 24109
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E5

<400> 24109

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gaattaataa ctcttgctg cgacaatata cactctcact cccctcttac ctcccctcat 120
ttccttcacc ttctttctta caacttcatt cctttttatt ccctttacat taccctactt 180
tgtccccctt cttcacatcc cccttttgcc aaaccctta ctttcccaa ttacctcacc 240
tatcttcctt cccaactttt ccacattctc attctttata agaaccceca ctgtat 296

<210> 24110
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E6

<400> 24110

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ccgatctttt acaacgatgc ggcggacatc ctttcacatt catccgactc ataaccatca 120
acaccagcac ctttcccata gaaggatatc tccactacta cggactcatt cccaactttt 180

tccgcacttc agcacattat ccactctatc cataccttta ccccgctaaa ctagttcgtg 240
 tccatcacc ttacaacatt tattatcacc atcgccacac tcccgttcat cttcaaccac 300
 ttgaacacca ccaccaatct aatagcaata aattcaaaca tcgaaatcat taaagaccag 360
 atcaatacta tctatccaaa atcaattcaa tatgcacaag ctaaaattaa 410

<210> 24111
 <211> 306
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-E7
 <400> 24111

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 ggggtgtcgtc ctggcagcgc tcgtgccttg catgtcatgc gggccctcga aggttcagcc 120
 cgttctcaac atcatcacta actacaacgt caagtggctc atcgtcaggg acaactggta 180
 cggttagcct aacagcaccg gctctcccga cttcaacagc gcgtacatga tcaacatcat 240
 gaacgtctta tactagccag ggcagattgc gcctacaagc ctgttcatct gacctaccga 300
 gtacat 306

<210> 24112
 <211> 304
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-E8
 <400> 24112

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 ctatgccaac gcagtgtctc tagagcactg taggctctag ttctccagag gcccgccaca 120
 accacaagcc aaggccacag ccagtgcctt cgccatggct cccaacctca gcaagaagac 180
 gcctgctggc ctctcggcg acgaggtggc cccgggtggag ggactcaagc cgtcgcgggtt 240
 cacccttaag ggcaaggacc tgtccgtgga cgggcactcg gtcctgctgg acatgccggg 300
 caag 304

<210> 24113
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-E9

 <400> 24113

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 cctcgctctg cagcgacccc gccaccttct ccgactgcc caagatcctg ggcattgtcgg 120
 ccgacgcccc cgaggcggag atcttcaagg agtacgcgaa gaagcacgag agcaacaacg 180
 gcaccaccat tcttgccgct gcaaccggcg ccgccgcggc gaccgggaag agcacgagcg 240
 cggcgccgac ggcggacggc gccgggaggc agcccggcac ggtcttcttc tacgtcgtgt 300
 cggcgctgct cgtctccgtc gcggtcctgc tgtgctgatg gcttaacggc cggccgcggc 360
 agcgcattgca ttcattggccg gccggccggc agggagatgg aggtgctact gcacg 415

<210> 24114
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-D4

 <400> 24114

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 cggccggcgc gcgaccgagc tagctagctc cggcgcacac aaccacacac ctgtttaatt 120
 ctgtactgca tgcgtgtgta atttgatggc tcacaataat gaggccctct ccggaccttg 180
 gtagctgctt gcttgtggcg agtgagagtg tgagactgag ggagaagagg tgggtggcgt 240
 ggggctacgt cgagagaggc gtgttcctgt aatcctgtac tcgcttcgtt ttctctgcat 300
 gcgtctataa ttgtgttcaa taataagtga gagcgggtgtg atgtgtggct cccct 355

<210> 24115
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-F1

 <400> 24115

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ggcgcaacga aataaacatg tctgaaccgg caaagatgtc gtggcaagcg tacgtggacg 120
aacacctgat gtgcgagatc gaaggccacc acctcgcggc ggccatcgtc ggccacgacg 180
gtgccgcctg ggcgcagagc acggcgttcc ccgagttcaa gaccgaagac atggccaaca 240
tcatgaagga cttcgacgag ccaaggcacc tcgcgccgac aggcctgttc ctcggaccta 300
ccaagtacat 310

<210> 24116
<211> 414
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-C1
<400> 24116

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gtttgttgca ctgaaactga tgttccagac tacatacatc gacgaaggca atagatccaa 120
gtgttgcgta ttcaaagggtg atcctgcaaa gggtgtcat cactgtggca gcagcaaaga 180
agttaaagag aaaataagca tgataatgga tgaacttgcc cttgatggat atcaggccat 240
agctgtagga catcaagtag actcttggtg ggactttatt gcccttctgc cttatacaga 300
tgaccttaaa agcgatagtg ctgatgttgt cgatagcctt atcgatctag gtttagatat 360
aagagtcttc acagaaagtc cattgtcgac cacaagcac gtttgtggaa agct 414

<210> 24117
<211> 411
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-C10
<400> 24117

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atcagccctt aagtcacgt cgatacacia gatgcgattg cgaaaggtag aagccgattt 120
ccaccatggg caacaagcaa acgtaagggt tgccctgcct ctagggtcac cttggtgaca 180
cgcccaatca aggaactttc agcctctttt acatctagca aggcgttcgc tagctacatc 240

gctcctccat agcatgccct cacgaaacag ggatctctcc agcacgtcca ccaccggttc 300
 acttctccat gtgttcagga acgatccgat ggacaagctc gattgggagc ctttcgagtt 360
 cggctgctgt gaagtcgaac agcgtcggca gcggtcgtcc acttggcaag c 411

<210> 24118
 <211> 281
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C11
 <400> 24118

tgccaccgcg gctttttttt tttttttttt ttcttggtca acatcaacct gacattgcaa 60
 catctccccc taagggatgg tcaatacaca aaatgcaatt gccaaatgta caaccgatt 120
 tcaaccatgg ccaacaccca aacttaaggt ttacctgccc tctatgataa ccttgctaac 180
 acccccatc aaaaaacttt catccatttt tacatctatc aacgcgttca ctatctacat 240
 cgctcctcca taacatgccc tcactaaaca ggtatctctc c 281

<210> 24119
 <211> 262
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C2
 <400> 24119

cgcacgcgtc cgcccacgcg ttgcccact cttactgtct agctgcttca tcctaagggg 60
 ccctatataa gtgtccatct gttgcatcct aaatccttcg ctagttgcaa catgaacttc 120
 tagccgaaag catattcgct gtcaaaaagg gactccgaga ggtccagaat taggtcctcg 180
 gcggtgatct ccgaagggtc cacattttcc gactaagccc ttgactgata tgggtcacac 240
 atcagtccca taagccgttc at 262

<210> 24120
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-C3

<400> 24120

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ctccacngat cggctccaag cccgcagaag acgagcaaca gcagaagcgc ccgtctctct 120
tctcgccgta ccagatgccc cgcttccgcc tcacccaccg gtgagcctcc atcgcggtgg 180
tgctggcgcc gatgaccagg tgcagggcgc ccgacgcgat ccaggcccc gcgctcgcg 240
agtactacgc gcagcgggtcc acggagggcg gcttgtcat ctccgagggc accatcatct 300
cgccgtccgg ccctgggttc cctcgtgtcc ctgggatata caatcaagaa cagactgatg 360
catggagaaa ggtggttgat gctgttcatg ccaagggagc tatctttttc tg 412

<210> 24121

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C4

<400> 24121

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ttgataggcc caagagtgtt accatggagt ggctggagaa ctactgctag aacaaggctg 120
cttgaagctt ttcacacatg ctgctttttg gcaaccttgg ctgttaataa tttaaacgcg 180
agttatagaa atagtcattt tcctttggcc gatgaataac gcaagagcaa tatgctcagg 240
cggaagaatt ttgtatcttc cgtaacttgg tgaacatcca gatacttgat ctgcccgaac 300
aatgggcaga agagattagg acatgctgat tgatctttat acgccaacac ttgcttttct 360
ttaacattac ttgttcgctg cagtttaatc cagctgtttg taactgc 407

<210> 24122

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C5

<400> 24122

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tggcgctcgct ctggctagcg agagcgctcgt ccagctggc gcgccgtgcc gccgccagga 120
 ggctcctcc gcgtcctgcg cggcaggct ccgaccaacc caccagtctg tggttcctgg 180
 gctcagtgcc gccgccggcc cttgggtcag cagcggcgga cacctgccgc cggggcttct 240
 gctccgtccg gcgttcgca ggggagagca gcgctgctgc tgctgcggcg gctgtcgctg 300
 acgaggagcc ggagagcggg ttcgcagccg gcgatcagca ggcagttgac tttcctggag 360
 ggaaagtatc ctttgtggca gaaatgaact tccttcaga atcgacgagg g 411

<210> 24123
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C6

<400> 24123
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 tcggcgcagc gggccatcac gttcaaggac accggcaccg ccaagatcat gctgcagctc 120
 gccgtccagg acttcgactc gtgcgaccgc cccttcaccc aggcggcggt ccccaacccc 180
 atggggaagt ttgacaagga gctcaaccag atggccaaca actgcatggc tcttgcaaac 240
 atgatatgaa ccacgcatgc aacccagcgc tgagggtgcca tcgcatgcac ggaatgcttg 300
 cattcatttt tcatttaatt aagaattcat tgaaattatg agttatatat attgagtaac 360
 tctaigtatt tgttcctgac ctgcactatt tattcaatag tatgtcatg 409

<210> 24124
 <211> 408
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C7

<400> 24124
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 ctcggtgggag ggagagagag agagagaggg agagaaatca aagaggagag tgatcatgga 120
 gcatgtgatt ggagggaagt ataagcttgg gaggaagatt gggagcggat ccttcggaga 180
 gctatatctc ggtgttaata tacagaatgg agaggaagtg ggaataaaat tggagcctgt 240

gaaaacaaaa catccacagc tgcactatga atctaaagtt tatatgctgc tgcaggggtgg 300
aaacggtatc ccacacctca agtggtatgg tgttgagggg gagtacaatg ttatggtgat 360
cgatcttctt ggcccaagct tggaagattt gtttaattcc tgcaacag 408

<210> 24125
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C8

<400> 24125

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cgcgtttcct ccgttaatcc ggtagaaaat ggccgatgcc gaggatatcc agcccctcgt 120
ctgcgacaac ggaactggca tgggtcaaggc tgggttcgcc ggcgacgacg ccccgagggc 180
cgtcttcccc agcatcgtgg ggcgcccgcg ccacactggc gtcattggctg ggatggggca 240
gaaggacgcc tacgtcgggtg acgaggcgca gtccaagagg ggtatcctga ccctcaagta 300
ccccatcgag cacgggatcg tcagcaactg ggacgacatg gagaagatct ggcatcacac 360
cttctacaac gagctccgcg tggctcccga ggagcacccc gtcc 404

<210> 24126
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C9

<400> 24126

tactccactc atcctccctt tttttttttt tttttttttt ttttttattt tttttttttt 60
tttttttttt agtttttttt taatttttgg tttatttttt tatttttttaa attttttttt 120
tttttttttt tatttttttaa aaaaaaaaaa aaaacataat tatcaaaaaa attttttaaaa 180
attttttaaaa ttaaaaaaaaa aatttttttat ctgttttttt tataaaaaact taaaaaaaaa 240
ttaatttcaa aaataaaatt ttaacaaaaa attccttaaa aaatttttgc cttttgtaca 300
ctttttcaaa atttaaaatt attattttta ttttaaaaaa attttaacat tcaaataaaa 360
aaattttatt tttatgaaaa aaaacccttt aaaaaaaata cccacatttt ttattttttt 420

t

421

<210> 24127
<211> 415
<212> DNA
<213> Zea mays

<223> . Clone ID: LIB3066-012-Q1-K1-D10

<400> 24127

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aaagagttct atttgagcaa gtacagtgga aggcgtttta tgtggcagaa ttctttggga 120
cactgtgtct tgaaagcaga ctttcccaaa ggcaaaaagg aactcgcggt gtcattgttt 180
cagagtgtgg ttttgatggt gttcaatgac gcacaaaaat taagcttcct tgacatcaaa 240
gattccactg gtatcgagga taaagaattg agacggacac tgcaatctct tgcattgtgt 300
aaagttcggg ttctccaaaa gataccaaaa gggagagatg tagaagataa ggatgacttt 360
gtattcaatg aagatttttag tgctcccctc tatcgcataa aggtaaatgc aattc 415

<210> 24128
<211> 292
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D11

<400> 24128

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cttccgggtg gagagcccg c ggtgaagta cggcaacggc aagatccatt cgaagtaccg 120
ttacaacacc accaaattct tccggccggg aattgccgcc gcccggggtt ggttgttccc 180
ccaaagggtc tgaacttaca ctctaaggac cagcaciaaac ttccaaaaat ctgggggtgaa 240
cgctcgccat atggcgcgga cacaacggca ccactctcag gcccggtgat at 292

<210> 24129
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D2

<400> 24129

cccacgcgtc cgccacgcg tccgcccacg cgtccgggtc cctcaaccaa cactcgtgag 60

atgatttgga agcttgca gaactggaatg aatgtagcgc gccttaatat gtcccatggg 120

gaccaccagt cgcaccagaa ggttattgat ttggtaagg agtacaatgc acagaacact 180

gatggcaatg ttattgccat tatgctggac acaaagggtc ctgaagttag aagtggggat 240

gttcagagc caatcatgct caaggaagg caagagttca acttcacgat taaaagaggg 300

gtgagcactg aagacactgt cagcgtgaac tatgatgact tcataaatga tgttgaagct 360

ggcgacatac tattagtga tggaagaatg atgtcgcttg ctgtgaagtc taa 413

<210> 24130

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-D3

<400> 24130

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ggggcagaga aactaataaa actctcgccg ncgccatccg agcgaacaag ccaaccgacc 120

ccgtcccca ggcaatccgc cgccgacgta ccaccaccac cgcaggagcg agatggagat 180

gaagaggatc ctcttcgccc tcctcgtcgt catcgccgcc tcggccaccg cagtgtctggc 240

ctccaccgag gccgcccgcg cgggcgcccc aactgcctcc gagtcgtccg ccgaggctcc 300

cgctggcgct ggcgctggcg ctgccgctgg cgccgncgnc tcggggccct ccgccagcag 360

cggcgcgccc gccctcgccg ccgcgcccgc cgcgctcttc ttctccctcc tc 412

<210> 24131

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B9

<400> 24131

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cttgagctct aaggctagt ctactccaaa ggatcagttt gttactgctc ggccggcaaga 120

ttgctgta agttcaaagc atggagcaga cactaagtcc gagaaggata atttcacagt 180
 attacataag gctggcaatg gtcctgttgt caaagaacaa tcacttgatg cccatgcaag 240
 caaaagtaaa gctcaaaatg taaaggcctt gcctaataat ggtggatcgc tcgctaacat 300
 gttacgccgt gcatcaacaa aacctaagcc tgcaagtacc actaatttta cagctgtagc 360
 aagtgttaca gctactgctg atgcacaaat ttgtgc 396

<210> 24132
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A2

<400> 24132

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 accgccgcgc cctcctcgac gccgtcggca acccctcct ctgcctgcgc gagaaggtaa 180
 tcagcatgca caacacgtgg gaagcgtaca gaggggacag cacgagatcg agcgacctgc 240
 tcttcaccgc caagaaatcc tccatcatcc agccgttcaa gaccgagatg ctcatctacc 300
 tggcctgcaa cacctcgac gaggcctgcg acttcatcat gaagggcagc ttcaaggaga 360
 ggtcctgctc tttctacctc ggcggcaaca actccaacgc cttgatcgct aaaat 415

<210> 24133
 <211> 299
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A3

<400> 24133

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 gccgtcagcg tcgatccggc tccgcaacgg gagcctaaac gcggtgcgcc tacgccgcgt 120
 gttcgacctg ttcgaccgca acggggactg ccagatcacg gttgacgagc tggctcatgc 180
 gcttgacgcg ctgggcctcg acgcggaccg cggcgggctg gccgccaccg ctggcaccta 240
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<210> 24134
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A4

 <400> 24134

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 gtgctagccc tcgcgctagt ggcgccacc ggccacagg tagcggaggc aaagaagaag 120
 agagcggcgg agagcggcga ggcgcgagg gcgaagaaga tccaggacga cttctgctcg 180
 acgctgtgcg agggcaagaa ggggacggac ctggctgtgt gcaaggagtc ctgcgcgctc 240
 tcccagcagt ccaacctggt gctgtacggc aggatccagt gcaagggcaa gtgcaccgag 300
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 gtggtgaagg cggccgaggt caccaaggcc tgcagcgtca cctgcgcc 408

<210> 24135
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A5

 <400> 24135

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 agaccccgct caagtatccc ctctgcatcc gcttcgctgt caagtctggt ggctaccgca 120
 tcgcccagca cgtcatcccc tccaatttca aggccggcac cacctacaag accaccctca 180
 gcatctgatt agcctcttat gacgaataat attttgagag agctcatctg gaccatgtgc 240
 cagcgagcta atatttaatt tttttctttg gttatattga ggcaccacat gagccaagaa 300
 aaaagttatg ctacatgtcc cttctcgcgc cttattgcgt taggttgata tgcattgatta 360
 catagattaa aatacacttt tatttaagat tttttgggga gaaatatatt gat 413

<210> 24136
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A6

<400> 24136

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cgatcgttca agaaaaatac cagcttacca acaacagcag cagcaagccc acccgttcga 120
cgacatggcc cgcctcggcg ccggcgccgt gttggcgctc ctagtggcgg tcgcggcggt 180
ggccgcgttc ctgcggtgc cggcctcggc gaagtccggg gagctgagcg cgatgggggtt 240
gctggcggcg aagggcggca gcggcgcggg ccgcgagaag tgctcgggcg cggcgggcga 300
gtgcgacgtg gacgaggcgg aggagctcgg gctgagcggc ggccggcctcg gctccgacga 360
cgcggtgcgg cggacgctgg cgcagcggaa gccgaccaac cgttacat 408

<210> 24137

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A7

<400> 24137

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caatgacca ctggaaaagg caaatgcata cattaggagc agaactctca tgaacaagct 180
tgttctgcct ttacttttgg ttgaacttgt gataaccaac ccaaactgcc aaaaaatctg 240
gtgttgctac atttgtatca atctttacct gagcttgtgt ttttgtaagc ttatgcatgt 300
acctccacat gtatagatat gctacctaca ttttctttct gtggtcatat gatatgttga 360
caaggtcaca gatatactct cagtatatga tgacgcttct atgaatctat a 411

<210> 24138

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A8

<400> 24138

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catcactaca ctacactaca ttagagagag gtcgagcgcc cctcctgcga tccgccggcc 120
cgccgagagc tagctgctga tcggtcgagg agagtcatgg cgacgtcaac gatgcgcgtt 180
gccgccggcg tgctgctggt cgtgtcggct ctggcgacct tggccctggc cgacgacctc 240
tacctgttct atcagtggaa ggtgacgtac gggaccatgt ccctgctggg agtgccccag 300
aaggtcatac tcatcaacgg cgagttccct ggccccagga tcaactgac ctccaacaac 360
aacatagtcg tcaacgtctt caaccagctc gaccatccgc tccttt 406

<210> 24139

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-A9

<400> 24139

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cggtgctaa ggcttcacag ggcgatgag tcgtccgaac acggaagctt tgagtgggtg 120
cctctgacca tagagtccg catcccttg tttagccac agctctgcga gaggatctgc 180
gagagggctg tcgagtcaca gatgcttcag aaagacgaca tcgctgagca ctacgagacg 240
atgcagaacg tgaggaggag gctgagagag ctgtgcaccg agtaccaagc gaccggccca 300
acggcgaggc tgttcaatca gcggggaggc tccaagaaca cctncccgcg caaactggtg 360
cagatggtca gcggtagatg gagcccgctt catgatccgt ctacgccc 408

<210> 24140

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B1

<400> 24140

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gccacgcgtc cggaattcg ccgcttgatg tgtggatccg tcgcggtgct cgtcaagcat 120
agacaccaag aaccagacct cggggtggat catcggggct gcggaggtct actggatggg 180

gtcaagaagt atccgggcaa gtcgtctctg ggaaccctgc ttattgctcg ccggatgcta 240
 gcgccgccgt ggactgcgcg gctccgagaa gtcgacgtcg tcgcgacata tcccaggaac 300
 cttcggactt ggaacgaaac tgtccataat atggaaagca tgattgggac gaaggtcgaa 360
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<210> 24141
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B10
 <400> 24141

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 ccatggagaa gttgagagtg gagatcttgg actagctaca gtaatgcaa cacctagggt 120
 gaggagtgtt attggtaccc cagaattcat ggcacctgaa ctttatgatg aaaattatga 180
 tgagcgtgtt gatatttact catttggaat gtgtttgttg gagatcttta ctcttgaata 240
 tccatacagt gaatgtacga atccagctca gatttttaag aaagtatcca cagggtgtaa 300
 acctgctgca ttggctagaa tttctgatct tcaagtaaag cagtttattg agaaatgttt 360
 agttcctgct tctgagaggt cgtctgccaa agaacttgtg caagacacat t 411

<210> 24142
 <211> 125
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B11
 <400> 24142

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 ctgctcgcta tgtcgtcctg tctcttacta ctgcgggact gaccaactcc tagttcactg 120
 cctac 125

<210> 24143
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B12

<400> 24143

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gacttgacaa aaggtggaat agttgacaat actccacagg ttttccagtt gcaagtggat 120
aacggcatac cgattaagag ctggtttgat gacccctcat atcaggaact gatcgagttg 180
ctcccgttct tggagagcct cgtggattca gaggacgtga ggccaataat ttcaaagacc 240
tttcatgaca aacttgagca gaattagttt gagggcagac atgtatcatc cagtgaacct 300
gtcgctgaag ttagcttcgc tccacatggt gcaggccatc attcttggga agttagatat 360
aggatgaaaa atcacaattt ctgttatgtt agctgttaca aatagcaagc ataaa 415

<210> 24144

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B2

<400> 24144

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gccatcaaga gtggctggga ccagtactgg atctcatttg gcaagccgag cacgaacatc 120
gtcatccaga gggtttcggg cacgactacg acttgctcgg gcgtaggcta cggcagcgag 180
atgtcaggag gcatactaa cgtgctcgtc cgtgacctcc acgtgtggaa ttcggcgcag 240
gccgtgaggc tcatgaccga cgtacggagg ggtggctaca tcaccaacat caccatagcc 300
agtgtggcca tggacaaagt taaggtgcct atgaagttca tgcgaggcac agatgaccat 360
tctgacgaca ggtatgacct ggccgagctg ccgatgatca gcaacgtgct 410

<210> 24145

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B5

<400> 24145

ggttgtagcc atcatcgcgt gctcgtcggg tagtagagag aaaattgaga tcgcgggcag 60

ttgattgagg tcgcaatcgc accttcgcct aagccaactc aatgcttctg aagatcgtag 120
 gcgcgcgccg cacctggctg tatectcgtg tggcgaagac tgtggctggg cgctgagaac 180
 agagatgtcg cgctggatgc tcatcggggc ttggtgacgg accgtcgtgg tcgccctggg 240
 ggtggaccct agctgcgcgt ggaggccggt gccaaactct cccctctgtg gactactaga 300
 aggccatctc cttccgcgcc gccgttttgc atacaccgat gaagaacctc gtggtgtcat 360
 cgtggggtgg cgcggcgact tctgggaatt gcctcggcga agattgggcg 410

<210> 24146
 <211> 361
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B7
 <400> 24146

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 gcaaattaaa aaaataagac tgaaatctaa aatattaaaa cctctaacta actactccac 120
 aaatccattt cgagaactac atcactatct ccctcactga caaccactgc ccctccatgc 180
 acacaccacc acatctcgcc ctgcgccatct actccacact ttctgacatc accatcacca 240
 taatcatgct caccaacgct cgttccacct ttagctcaat ttctctcact tcgcgtccac 300
 tacttccttg acgacaactc cttcgttctt caatccctag ttccaccaga tccctaacctt 360
 c 361

<210> 24147
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B8
 <400> 24147

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 cattcaaagg tcttggaata ctgatgttgg aagttggctt gatgttggct cgtcattgtg 120
 atcgctatgt aatacagcga ggggtgggac aatacattgg tgaaagcctt gagaagacac 180
 ttgctagctc aaggtgtccc aagggtcgtc tgctgtacta cttccccaaa tcgttttagca 240

aacaggacga agtttcgtca tgggtgtggat ggcatactga ctatggattt ttgacaggac 300
 ttacatgtgg tttgttcacg agaaaatcag aggaggtccc ctgtcctgat attggaactg 360
 ggctgtatgt tcggactcgt gataatcaag tcgtcaaggt cacacttgt 409

<210> 24148
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-A12
 <400> 24148

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 atttgtcaac aggtgagctc caaagttccc agaggtcatt ctatctgaag tccagtgcatt 120
 gaaggtagct catgttgcaa ggaaagaaat caacgaggct ttctatacat tgcgcaatgt 180
 tgcttctgga aaagatttga aaacatatct gatgacagtt acagtgctgt ggttcatttc 240
 cataattgga agctgcttca gtttcttgac tctgtcttac actattttcc tgatggcata 300
 cactctgccc atgttgtatg agaaatacga agatcaagtt gatgtcgtag gcgagaaggc 360
 cctcattgag ataaaaaagc agtacaaagt gattgatgca aagtttatct ctaagatc 418

<210> 24149
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-G8
 <400> 24149

atggattaac agtaaaacaa acaagccctt aatgagtcta gttgatataa aatggattaa 60
 gtgacatgga aaaaaaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataaaa 180
 aaactcaaaa aaaaaaaaag gggatctatt ttaaaattac caaaattaaa gttcactaat 240
 tttaaagaat aaatctatct aaaatattca caaaatctaa attatatggc cgctaataaa 300
 aacgtataat ttggaaaaac catcatctat caagattaaa tcctcagtga ataaattcat 360
 tctatggcat tagatacatt tactaaaaga cctat 395

<210> 24150
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H1

<400> 24150

cggacgcgtg gggtttacct gaagcacaag aataaacgca gccgggcatg ggcgaagctg 60
 agctgaacaa cgtgaccgtc ctgctgggtg ccttcctcct cctgagcagt ggcgttcagg 120
 acgtgcccgc catgccaggc acgttgaact acgacgcgat tgtcgccgac gagccaaacg 180
 gaaagaacaa ggacctgtac cgtcccgtcg ccaacgcaa taaatacacc cgcgggtgcg 240
 agcccataga acgtgcagg ggcgcgcgct gatcaccaag catatacata tagcacatcg 300
 atttcttatt attgcatgca cgtttatata aaaaaaaaaa ctaaatacat aaaaaaatac 360
 tatgaaaaca aataca 376

<210> 24151
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H10

<400> 24151

cacacgcgta cgcactccta ttctctcatc actaagctca aactgattac cctcagtgcc 60
 attactggct caagctcaaa cctttcttta acaataccaa cttctatgtc tcatacgttg 120
 acctagctta attctaaata tattatactt accccatcta catacaagaa ttctcaacac 180
 cacgacaagc cagtattaga cctcatatca tcctataact tcctcatata caatgaactt 240
 tactggcttc ccatctgata cactaaacat gaa 273

<210> 24152
 <211> 326
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H12

<400> 24152

ctcactcctt ctctctcttc aattacctgc tcaataaact gcaacgatgt cgaaccgtgt 60
ctcagaccgt ttctacgagc ttctatacat tgatacatatc attgctatac cctatttagg 120
acaacaacgt attcttatgc atatctccat gctgatctta ctactcctta tccatgaacg 180
gaccattaca tagactcttg ccataatcc ttcacataat cctccaaaaa atcagaagca 240
tcacctttag catcaaattt atcttcaaaa tcactctcaa aatcaaactg tgcataaat 300
tcataatcca attcatcatc caaatc 326

<210> 24153
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H2

<400> 24153

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attggtaatg gacctcgctt tgggtgaatct ccggacgaca agtttgaagt attctatatt 120
gactatggca accaagaggt gggtacctac agtcgtttac gacctgtaga cccatctgtt 180
tcctcgctctc ctgctcttgc tcagctatgc agccttgctt tcataaaagt gccagctctt 240
gaggatgact ttggtcagga agcagcagag tatctaagtg aatggttgct cagtagctca 300
aagcaatacc gggcaatgat cgaagaacat gatacttctg gggggaaatc aaaaggacaa 360
ggaaccggaa atgttctcat tgttactctt gttgatgcgg agacagaaag tagcataaac 420
actaccatg 429

<210> 24154
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H3

<400> 24154

ataccttcac tcgtgagata gacctcgcac actttatcgt tcacaactcc tcatacatatc 60
ctatgggcgg aattcaccac catctgggtga atctccttac tactattctg aactattcta 120
tattgactat cccaaccacc aagctcttac ctacattcag ctactaacct tatacccatc 180

tacattctaa tctcctgctc tttctcacct atgcaccact tgctttcata atcatgccct 240
atctagacta tgactctcat cactactcac ctcaatatct aaatcactgt cttatcagta 300
actcatatca ttaccgggca atcatctaag aacatgatac ttacgattgg aaatcataac 360
gtcaatgaac cgtaaagtgt ctcac 385

<210> 24155
<211> 399
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-H4
<400> 24155

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gttggttaact taccttgctc tgtccaatct tcttaccact aactatcaat attctatatt 120
tactattgca accaacacgt gggttacctac acatcttcta ctacctatca acccatttgt 180
ttcctattct cctgctcttg ctcacctatg cagccctact ttcatacaac ttaccattct 240
ttatgattac tttgttcaag aaccattaca ctatctaaat caatgtttgc tcaatcactt 300
aaatcaatac catgcaatga tcgaacaaca tcatacttgt agatcgaaat taaaacgaca 360
tggaacctga aatcttcata atcgatctct attttatac 399

<210> 24156
<211> 252
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-H5
<400> 24156

gcgattcgaa attattcgaa ataaatcgct catgaatccc tgaagcctgc atatatgtgt 60
ggctcccaag attcaggcgg atgagtcgcc acccacgatt cagccacgcy gtaatcttct 120
tttctttctc actgtgctca cctatatgga acacgcaagg caatgcygaca agtacagtga 180
acaatttcct ggctcattca ttatcccata ccactgggac cattttttacc cgggcaaaga 240
cttttttgcc ca 252

<210> 24157

<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H7

<400> 24157

gttctagatc gcgagctgca tcggtcggcg ccctgtgagg gagaaggatg catatgatgc 60
ggcgggtcaa gagcatcgcc tccggccgct cgtccgtctc cgatccgggt ggtgactctg 120
gctccaaaag gccaaaattt gagcaggatg gagcagggga tattgttatt gagccacact 180
taactgaggc caagcctgtc cggatagacc aagaatcatc atcatcatct aatagggagg 240
ctgaggcaag cacatctact agcatgaagc ctgttaaacc tgaagaacca gtagcagatc 300
ttcttcccaa agaattgaat gatatgacaa ttagtgacga taaagctgat gaccataatg 360
ataaggaagg tgaaggtgtt actcttgatg ggaatggagc cgagacagga cagataattg 420
tgacaacaat aggaggtcat aatgggaagc caaagc 456

<210> 24158
<211> 446
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-011-Q1-K1-H8

<400> 24158

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ctggatgatc cagagctctg ttcccggtcg atcgagtcga gtgcgttcag ttttggacgg 120
gacgcggggg ttggtggcat gtgcggctcc tgatcagaga tctcggcagg catgcagcag 180
cagctgaagg ccgcaggtgc accacgtccc cccggctcag catccgcggg ggcgcctccg 240
ccggaggccc gctccccagg tccaaatctt gtcgggtccg agcagctgcc tgttggccat 300
gcacagcgcg acccggcgca tggcagcaga tcgtgcctgc cgcgacctgc gatgtgcacg 360
cgccatgatc gatctggatt ctcgagtgga agccgtncca cgtgagcggg cggctccctt 420
acgaaaaaga tgaactatgg gggctct 446

<210> 24159
<211> 411

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H9

 <400> 24159

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 tgggtgctggt tcaagctccg ctggctcctt gaggggtgctg gctaccatgt tacatgcatt 120
 gacctagccg gaggcggcgt cgatcctact gacccaaca caatccggtc gttccagcag 180
 tacgacaagc cactcataga cctcatttca accttgccgg aggggggagaa ggtgattcta 240
 atcggacatg gtgctggagg gctgagtgtg attcatgcaa tgcacgaatt tgttgacaga 300
 atcagccaag cattttttgt ggcagctaca atgctaccat ttggatttca agctgatgaa 360
 gataagaaag atggggttacc aactttgcct gagaacgaga ttgagttgac a 411

<210> 24160
 <211> 276
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A1

 <400> 24160

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 gagccactga aaatgcggtc caagcaaaca actcaagttg agacgcgagg acacacacac 120
 actcatctac gatcaagata atattatgac cggaggtagt catttttttg actcctgaaa 180
 aaattcgagg atccaagtcc gcagaactaa tgacatcaat aggtgaggta aattcatgag 240
 tgccgacact aacaaagtct ccgggcatca actact 276

<210> 24161
 <211> 418
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A10

 <400> 24161

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 agcaggaata gaacaacccc ataaaccata tcggaccata catttgcaaa agcttgctcg 120

ttttctagcc tccaatcgtc cctcaactca agcctgatga aagaagagga ggtgaatcct 180
 taagagcaag cagactttgc tgactgaaca agacatgtga cttggcaaga aagcatggtc 240
 ctttaaccatc tgcagcttct ggctggcct cacatcaagt aactcagctg caagcggcac 300
 cttctggaca tacctgacat cattaggaaa aatattggca ttagcacgac tccaaccagg 360
 ttgtctgcca tagttttgct ggagggacaa aaacagaagc gttcctgact ctacctca 418

<210> 24162
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A11

<400> 24162

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 gagaactcag tatatgcacg agaaaacaga ttctgcggg aaatagttga gtatcaccag 120
 ctactatgc aggatgtcat atatgtagac gaaggcatcg aagaggtcac cgagggtgtac 180
 cctacacaag tactacctcg cactgggtcg agcgtcagtc gtgcagccac tgcagctaca 240
 ccgaaatctg ctccgacgtc aacataatct tgcctgtcg tacaagcttc taaaataca 300
 ctttttcgcy gtcattctctg agcaatagat caaagcggcc acctccaacc ttcacggaag 360
 agtaagggtg ttgtttggtt gtgacgggac cacataggtt atgctgctac tg 412

<210> 24163
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G7

<400> 24163

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 gggagtaggg gtggtaatgg atcaagatcc aaatgttttt tcacaatacg ttagggccct 120
 taattaattt tagttcaaaa atgaatagta atagagctcc acctaatcc gatttgatcc 180
 ttaaaattta tagtgtaaaa tctagagccc attaccaccc ctattggtga gtaatcttta 240
 gtcatttggt tataaggcta ttctcaatgg ggagtttatg ttgtttctaa gactgccgca 300

tcattgtaaaa aataaaacat ggataaagca tccatcctca ctgcatagtt tcattctatg 360
 gtttcaaata catttacttc acgacttata agagttgtaa ttgtgcccag agagttctct 420
 cttaaaaatg ttgccacatc attaaaaacg cttatgtggc a 461

<210> 24164
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-011-Q1-K1-F1
 <400> 24164

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 ggggaccact gcacaggatg tgggtggcaga cgtacgtcga tgagcacctc atgtgcgaga 120
 tgcagggcca ccacctgagc tctgccgcca tagtcggcca cgacggcgcc gtttgggccc 180
 agagcacgcg attcccacag gtgataccaa tttgcatgat cttgttcgt tctagctctt 240
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 gaggagatga ccaacatcat taaggacttc gacgagcctg tgtttctggc cccgatcggg 360
 ctcttccttg gccccacaa gtacatggtc atncaaggcg agcccggcg tgcatgcgc 420
 gggaagaaag tactgatgat cccgcgtcgt ctatgctcat 460

<210> 24165
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-F11
 <400> 24165

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 ggagggcgcc ggctcgtgct ccttctccac gccgttggcg tcgcggagca gggacgtgag 120
 ctttgacacg cgtggcccca tcgcgtggag ggggtggggc gaggacgagg cgacctgctg 180
 ctgcccacg ttgcggccg tctgcaggtc gtcgttctcg gcgttcac caagcccggc 240
 cccgcgccc tgctcggcct cctccgcctt ggggtggctct ggcttctcgt tcggtgagcc 300

ctgcgaacca cttgacggag gaggaggagg aggggtcccc atgcccattgg cttccatgcc 360
gagcttctcg ttcttctgcg cgcgggacag cagcgagcca gctgagccac 410

<210> 24166
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F12

<400> 24166

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acgatggaaa ccatggataa ggaggtaaag aggtcaaggt tggcagaaca gctgtataaa 120
cattatgctg caacagctat tcccaaagga atccattgtt tgtctctgcg ccttacggat 180
gaatactcct caaatgctca tgcacggaaa cagttaccgc caccagaact gttacctttg 240
ctttctgata attccctcca acattatatt ctagccagtg ataataattct tgctgcttca 300
gttggtgtca gctcaactgt acgatcttcc tcactgcctg agaaagtagt ctttcatggt 360
attaccgata agaaaacata tccctgggatg cattcatggt ttgctcttaa ttc 413

<210> 24167
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F2

<400> 24167

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tctaagtatc ccccatcaac tctcttatct tctgtgtacg gcacctcctg tttattcaag 180
ttattcatga atggttatct cggccttttg gtatgttcat acaatagcca cctttgaaat 240
ggctgcaggt tttcacgcat tgatccagta cactgatgca gatactgcct cagctgctag 300
agaagcctga gattgataga gcatacctaag ttacttgctt gcataacacg tttcatcctg 360

<210> 24168
<211> 429
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F3

<400> 24168

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cttctctggc ccagcctcgc acgctctggt gcagcagctc gctgagaacg acgcgggacg 180

gcacgggacg cgcggcgcca agaaggaggc cgtggaggca atgccgaccg tggaaattgc 240

cggtggcaac gatgacgaca cggacagctg ccccgctctgc ctggaggact acacggcccg 300

cgagcgcgct cgggagatgc cctgcaagca caggttccac tccaattgca tcgttccgtg 360

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gggctcatg 429

<210> 24169

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F9

<400> 24169

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agaagaagga gaaggagctg aggagccaaa tcatcgttga tgctgaagag ttttaagaaag 120

cttttgttga gaagagaaaag ctcaatgctg agacaagcaa gggccaaaac cgtgacaggg 180

agaagctttt cctagcaaac caggaaaagt tccatgctgg tgcggataag caatactgga 240

aggcgatatc tgaacttatc ccacatgaga ttgctaacat cgagaagaga ggggcaagga 300

aagacaagga gaagaagcct gggatcgtgg tgattcatgg accgaagcct gggaagccaa 360

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<210> 24170

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G1

<400> 24170

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gcggctgcgg ccgtcaacttc ttctcgtgac ctgcagaagg atggatcggc ggctgcagcg 180

gaaggggaagg ggaaggagaa ggagtgcgag ggcgccaacg acgaggacta gtgcatgatg 240

aggcgcacgc tggccgctca caccgactac atctacaccc agcagcacca cggctgatcc 300

aatagaatcc gtcctacgtt acatgcgttg ctctcgtacg tgtgttcgtg tccgtgcgtg 360

ctcgtgtcgc gtactcgtgt gtgtgtgtgt gtgtgtcgtg tgaaacgcca gcgc 414

<210> 24171

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-011-Q1-K1-G11

<400> 24171

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gtaaattctag tcggccggcc ttccaaagag aagttcttta ggcctaggaa agaaatgtaa 180

tctgtttctt aagcttagcc tccattaggg gtccttcaat atccgattag ccaatgaaat 240

tggctcttagg accatggttt tagtaaacca gttaatcaaa tctatatattcc tggagttgcg 300

tggcttaaaa tnaaccttga tatatatattca gttcacaaa aggtggcagt atatacaaat 360

tttcttgtga aattgta 377

<210> 24172

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G12

<400> 24172

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cagctgagggc caccatctcc acacccaagg ttgcacctga gaccactgcc atccacattg 180
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 cagtggcgggc gaaacaagag ccagcagcca ccatcgagcc tcaacagatt gctgggtgagg 300
 tgaccacttc ggaagtggcg gtcgtcgttg tcgagcctga gaacaaagag gaggaggaag 360
 ttgtggagaa gaccgtcatc gagaaggaga agccatcagc agtccatgaa gagg 414

<210> 24173
 <211> 165
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G2

<400> 24173

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 ggcgcggcga ggtcaccggc atcgccatct tctcgtgctt catcgccctcc gtcgcccggct 120
 gcattcttcgg ctatgacatc ggccctcacat ccgggctgac gtcga 165

<210> 24174
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G3

<400> 24174

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 gatcgagctc atcaaccaac caagtcgtac gtcgtcagca tcacgaccgg atggcgcggtg 180
 ccacgtccag ctatgtatcc aggagggggc tctccacagc gatgacgggtg gccgaggagt 240
 ccgtgaagaa cgtggaggac aaggcggtga agctgggaac tgtggccaat gacatcgcca 300
 gcgctatggc caccacgacg gacgagaaga cggcggtctg ggaaccttac cccgagaccg 360
 gatactaccg tccggtcacc ggcacg 386

<210> 24175
 <211> 408

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-G5

 <400> 24175

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 gttttatggg gagaacatcc aacaattgtg tcttggttgc catgtggaag tactctctca 120
 agatagtggg ataaggggat gttggttttag atgtttgatt ctgaagaggc ataaagataa 180
 aatcaagggt cgctacctag aacttcagga tgctgatgag actggaaact tggaggagtg 240
 ggttatgcta acacgagttg ccaaacctga tcaactgggt gtacgtttcc ttggaaggcc 300
 aatggttcgt ccacagcgcg tggaacaaag caaggcctca tgctttgatg ttggagccat 360
 tgttgatgcg tggtagcatg gtggctgggt ggagggaatc gtgctgta 408

<210> 24176
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-G6

 <400> 24176

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 gggtaggtaat gatatcggat tgcttgagc tgtaatgcat tttgtatgtt taattattgc 120
 ttagccatca tttgaacttt tctcactgtt ttcatacgca gctagactta aatacattgg 180
 cctctacctt cttaacatct tcaatttgat tttgacagaa ctgtcggcac tcattccaca 240
 cctgttatct cattcgcaat gcaagggttc accttcttat taatgtgtct tcttgccctc 300
 atcttttctg taagttaa tgactatatg attggaaatg ggcagcatcc cgaagttttt 360
 catttggtac aaaattttaa tttggaggac aagtatctc cattttctct tctgaaggga 420
 tacattcaga aggccaatca tacttttgtg gagatg 456

<210> 24177
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D10

<400> 24177

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gatgacgtgg gaccctgcg cggcctcttc gtgctatccc gcgaccccg agcgcaagaa 180

tcagtcgtcg ccccggtgc gtgttggggg gttccatggg gagccaccgc tgtcgccgtt 240

cctcgcctct gtcgacggcc ggaatccatg gaattgatgc ggagcttcga ctggacacgg 300

ggaagctatc ccgaccgcca atttgatgaa cggccagtgc gaactcgggc aatggctcac 360

cggaggagtg gcgtccgtcg cgggccgcgt tccatcgtgg gcgttcgtct ccgtgcc 417

<210> 24178

<211> 86

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D11

<400> 24178

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cacatattat actcgcccta ttatca 86

<210> 24179

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D12

<400> 24179

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ctgacgagcc atcgcgtgcg gcctcacccg ggatggcgac catggagagc ctgatcgggc 120

tggtgaaccg gatccagcgc gcgtgcaccg tctcggcga ccacggcggc ggcggcgggtg 180

agggtccct ctgggaggcg ctcccctgcg tagctgtcgt tggcgggcag agttccggga 240

agtcgtctgt gcttgagagc atagtacgga gggacttcct gcccctgga tctgggtatcg 300

tcacgaggcg gccttttagtg ctgcagctcc acaagacaga tggtgggcac tagtatgctg 360

agtttctaca cgccccgcgg aagcgggttca ccgactctgc tgctgtgagg aaagag 416

<210> 24180
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D5

<400> 24180

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ggcagcaact atatttgcag gtgtggtaat gtacgatgct tctggatatca gattgcatgc 120
tggaagcaa gcagcggtag tgaaccaaag agtttgtgaa cttccttctg aacatccctt 180
gtctgaaaca agaccactgc tagaactttt aggccataca ccaaccaggg ttgttgctgg 240
cgcatagctt ggggtgtacga tagccacagc aggacaatta ttcgtttgaa ctccgaaggt 300
gcaggataaa tgttgatatca tttgcatcgc ggagacttga gaagaagttt ctctagtgtt 360
ctgctactct aagtatcggg aagattttca acttgggtgct gtaatgtttg tgaatgttgt 420
aagc 424

<210> 24181
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D7

<400> 24181

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tggtgtggtc ggctgggatg gcaacaatgc gaggcgcctc cgcgcgcgcg ctactggtgc 180
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tgttcccggg ccctaccata aactgctcat ccaacaacaa catcctcgtc aacgtgttca 360
acatgctcga ccagccgctc ctcttcacct ggcacgggat ccagcagaag aagaactcgt 420
ggcaggacgg catgccgggc accatg 446

<210> 24182
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D8

 <400> 24182

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 gctacattca cataagaggc taataccttc tacaccgtta tctgctcatc cttctacttc 120
 actgataacc tcatggccta catacactac tcatcgtaac actatgaact ctctctgttc 180
 tatctcaaca ctaaccttct acacctatc tactacatct tccagctact tctacattcc 240
 cagaaccata tacgagccac actccacgac tctaaacaca gatcacttca caaactgttt 300
 cacatggcat 310

<210> 24183
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D9

 <400> 24183

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 aaataaggtc cgggcgcttt tccgacattc acagggggga caggaaatca gcggccatgg 120
 cctcgattcc ggcgacgacc ttccgctca tcttatccgt cctcttctgt gccgcggctg 180
 gcaccgcgct cgacaacgac ctccccgact acgtcatcca gggccgcgtc tactgcgaca 240
 cctgccgcgc cgggttcgtg accaatgtca ccgagtacat cgcgggcgcc aaggtgaggg 300
 tggagtgaac gcacttcggc accggcaagc tcgagcgctc catcgacggg gtgaccgacg 360
 cgaacggcac gtacacgac gagctcaagg acagccacga ggaggaca 408

<210> 24184
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-E1

 <400> 24184

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cccactggaa ttaccccact ccgctgctca ctcatctccc cttttctcct cacttcacca 180
cattatccac tctatccata cctttacccc tctcaactgt tcgatttgca tcccactcac 240
aacatttatt atacagagcg ccacactccc attgctcttc aaccaattta atgccacgac 300
gaagctaata tcaactaata cacatattca actcattaaa gaccatatga ataattattga 360
tccaaaatca cttcattacc tacaacctaa tatttcaact ctatttcaaa aacatggact 420
taatccactt actccaatt 439

<210> 24185
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-E10
<400> 24185

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ccacctttct tgtggtggca agatcgttgt gggttccaga agaaccctca aatgcggatg 120
acataagagg tgcttgcacg gaggagtgc ccaaagaaaa taaggctcct ggcgacaaga 180
agacatgcga agtgttgtgc accaagctca caaaaagcc tagcgaagaa ggcaaacatg 240
attgatgaag tagcactccg ataatatata ccctagtggg tcagtgggtca tctttgtagc 300
catgtctgcc acacgatggc cttgactata ttgtcttatt gttttgttta tggtttccac 360
tagtatccta attccttggt catataacct aatttcactc aaagcatttt ata 413

<210> 24186
<211> 389
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-011-Q1-K1-E11
<400> 24186

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gcctcgacct ctacagctgga ccgtgcacgc gccgcggcgc agtcgtcgat ctcggccgtc 120
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gtgatgcgcg cctncttcga ggcgttcctg atggtgctcc tggcggggcg caacgagcgg 360
agcttcgtgc gcgccacca cgccacggt 389

<210> 24187

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E12

<400> 24187

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tgtagcattg cggtagacga catgatgagt gctgaagggt gatggcaatc aaccactgca 180
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gacagacggt tgctattggc tgtgctctag atcttagtct gactgacgta cttaacgcag 300
cggtcttcta catacttatt gacattgctg gtaatagta 339

<210> 24188

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E2

<400> 24188

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ttcaccccca tcgtggctgc cggcatgggg ttcttcaccg acgcctacga cctcttctgc 180
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ctgtcagggc agctcttctt cggctggctg ggcgacaagc tcgggcgcaa gaaggtctat 360
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 accccggcgt ccgtcatggc gacgctgtgc ttct 454

<210> 24189
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-E3
 <400> 24189

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 ctcttaccac ttcaacaagc tcatgagcaa acccatcaaa ctaacacacc tacacctacc 180
 accatttatt cctcattcta aaaactcatc ttctttgtct gatctacctc accttgcata 240
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 tgaaatgcac tctttaccat gcagactctt ctaagcatat ctaatctaca tgctctttag 360
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<210> 24190
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 24190

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 ggtgcgcaag aacggcacct gcgcctggct gaagcccgac ggcaagaccc aggtgacggt 360
 ggagtacgtg aacgaggggt gcgccatggt gcccgccgc gtgcacaccg tgctcatctn 420

cacccagcac gacgagaccg tca

443

<210> 24191

<211> 385

<212> DNA

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<400> 24191

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cctggcgctg ctggtcaagt acgtcgatgg cgacggtgac attgtggcag tggacgtcaa 300
ggagaagggc tctgacacgt acgagcccct gaagcacttc tggggcgcca tctggaggaa 360
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<210> 24192

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E6

<400> 24192

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caccagcaac gagtcgctgg agaatgcctt cgctcctac cgcgagatcc tcgactccaa 180
ggatcatcacc gaccgggaga cggggaggtc tcgcggcttc ggcttcgtta ccttctcctc 240
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cggtcgcggc ggcggcggtc atggtggcgg gcgccgtgac ggcggttatg gcggccgtgg 420
cggctaccgc ggctcggcgg aggggtggtgg c 451

<210> 24193
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D1

<400> 24193

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tatgctctcc aaagttacaa ccctatTTTT taaaggattt ctatattact gaagaaaatt  180
agtttattta tttatggaaa aaatagaaat tattaagcaa aatgggtccc aaactatacc  240
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ggttg                                             425
  
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<210> 24194
 <211> 305
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B3

<400> 24194

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catgcgataa ccatctgata tggacggaac tatatattgt attcctatta atctggcatt  180
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ctact                                             305
  
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<210> 24195
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B4

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<210> 24196

<211> 457

<212> DNA

<213> Zea mays

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<400> 24196

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tctactcgc cggctgcaac ctgctgggcc tggcattcac gttcctggtg ccggagtcca 420
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<210> 24197

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B7

<400> 24197

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ggctggaact gcgggtgggg tactagcact ggactactcc ggggcaccac atcggcttca 120

tcgatatgta ccgcctcacc ttcttcttcg acaacttcgg acccaacgcg actaccttca 180
 ttgtgccctc agtgcatttc ccggacagat tgccgtgtac gtgccacggt atctcaactg 240
 actcacgaaa gctggagcgc tatcatcgtg atgcttcaag ttcctgtacc tggcgcaaaa 300
 ccgtttaccg ggccaagaca gaccactgat accc 334

<210> 24198
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-B9
 <400> 24198

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 acaatgatcc cgaagttaac aaatatctga aggttgtctt tatcccaaat tacaatgtat 180
 cagtggctga agtgcttatt cctggtagcg aattgtcaca gcatattagt actgctggta 240
 tggaagcaag tggaacaagc aacatgaaat tctctctgaa tggttgtggt atcattggca 300
 cccttgatgg agctaattgtt gaaataagag aggaggttgg agaagataat ttcttccttt 360
 tcggtgccaa agccgatgaa gttgctgggc tgaggaaaga cagagaaaa 409

<210> 24199
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-C1
 <400> 24199

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 ctcgccatga tggccgtcgc cctcgctcgt ggggacgccg agcacttctg ctgcctggcg 180
 gcgctctcgg gcgcacgtgt cgcgcacgac gattgcctgt tctgcgcgtg gctgaccaac 240
 cccaccgacg acctcatgag gctcttccca tgatgataca ggaataggac taggagacgc 300
 aatTTTTTgg ataatagtca attcgtgtac ctagctccaa atatttagca ggtataagct 360

ccaatcattt acgcgtactg catccacttt gatttttgaa atcaatatta taggaaagac 420
ataaacttgc aataacttta tccaaaata 449

<210> 24200
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C10

<400> 24200

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tgtgctgggt gtggcttgga agctgagcac caactttggg aaatgaagct tcttggccga 180
gaacctgata cacagctcta tgatgttgta ttggcaattt gtgcttctca aggggaagct 240
gctgctgttc gacgcttgct tgcaggagtc gagtcaacca gcgccggaag aaggaagaag 300
tctatgtcat ggctactgag aggctatgtc aaaggtggct tcattctaga cgctcagaa 360
acactcatatc agatgctgga catgggcttg ctctctgatt acctggatag agctgct 417

<210> 24201
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C11

<400> 24201

cataggaaca aattaaatcc acatgccatt ggtcgaattc acatgcaggg cagagtcctt 60
cagttagaaa aggaaccaa tctattaatc gagcatagca ggccgtatca cgagagggac 120
ttggctacgg gggcggttga aaggaggcct gatagcaagc cgacgacaag cgctctgttg 180
tacgtggtcg gctcgttctg ctgcacattc tccctgtcgt cgacaaacga gtcgttcttg 240
aacggcccgcc cgaccagctc gccca 265

<210> 24202
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C12

<400> 24202

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aaaaattaac agaaagggtg ggaatctcga acatcttatac tgatcccacc tacgttatct 120
ttcatccgat gtgctacctc atttatactg tccacctgac aatgtctact ggccggattg 180
ttacaacgac gccattccta aaacccttaa ttacctaata ttaatcgctt tggacaccat 240
gcatatttca actgatgcca taataactaa tattccccta ccgcacgtac gcttaacta 300
gtactacact ctgaatgtca tatggcacac tctttctagc gtcacattaa actcggccta 360
ttttg 365

<210> 24203

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C2

<400> 24203

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gaggagcggg atcgggcaac ggtcggaaag gagctggaag atatagaaag gagacattgt 120
gatatgactt caatactgca tgcgctaggc atctcagttg aagggtggtga ggttaaagcc 180
ttcaagcaag ctcttctgaa attccatccc gacagggtat caaggaatga tatttatcaa 240
caagtaaaag cagaggagac atttaagttc atttcgcggc tgaaggagaa gctacctcgg 300
ctatcctaata agccatccca ctcttttttc cacatgcctt ggcgcatcct ccattcacct 360
gtaagggtcaa ggtacagaat tcagaggatg tttattggcg ttatttataa gtaactaggg 420
ctttaacttg ttaaagtgtg ttttgtgtgt gtgtgtgtgt g 461

<210> 24204

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C3

<400> 24204

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 tggcttcctc ttttcaaaac cctcgctaata ctcgtgcccc gtcccaccca cctctagctt 180
 cgaatcctag cgctcgcct ccgcattcta gggtttcccc gcctacggcg ccggccatgg 240
 aggcggtggt cgtcgacgcg ggctctaagc tgctcaaggc cggcatcgcg gcgcccgacc 300
 aggcaccccc actggtaatg ccgtcgaaga tgaagctgga tgttgaggac caggagctgg 360
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 ggga 424

<210> 24205
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-C4
 <400> 24205

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 ctctctctct ttaatctctg gtctgcaatt cttatcatcc ctctcttttc aatctatccc 120
 actgtattac tcttatcaaa aaccacacta atctaccacc ctatcccacc cacctctatc 180
 tccgaattct agctcctctc atacacattc taccatttcc ccgactacta aaccactcat 240
 aaaagcaacc atcatagaca ccaactctaa caatatcaag atctctaatt cccctcctta 300
 cca 303

<210> 24206
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-C5
 <400> 24206

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 ataatttcat tgatgacact ggagttgatc cagctgatcg ttatggcagc gataatgagc 180



gacattcacc tggacgttat gcacaggctg aggaggggtga ggaggacgat gaaatcgaac 240
aactcttcaa ggggtggttaag aagaagaaga agaagaatga tcgccctcgt gcagatattg 300
gccttatagt ggaacaattc attgctgagt ttgaagtagc agccgaagaa gatgcaaact 360
tgaataggca atcaaaacca gccattaaca aacttatgaa gcttcctctg ctcatagatg 420
ttctcttcaa gagaatcttc agc 443

<210> 24207

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C6

<400> 24207

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gataatttca ttcattcacac tctagttaat ccagctgata gttatgccac ccataatgag 180
ctacattcac ctgtacatta tccacacgct gaggaatttg aggatgacta tgaaatctaa 240
caactctctc aggatcatta gaagaacatg aacaacaatg atcgacctca cgcataatatt 300
gcccataatag cggaacaatc cattgctcaa ttccaagtat catcctaaga acatgcaaac 360
ttgaataggc catcaatacc agccattaac aaactcatga agcttactct gtcatacat 420
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<210> 24208

<211> 233

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C7

<400> 24208

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cccataccac ccacctctaa ctccaatac taacacctcg actccatatt ctatattatc 120
cccaactact gcaccactca ttcaaaccac tatcgtagac gcaaactcta atctgctcaa 180
aacctacatc gcatctccct accattcacc cctactggta atgccactta aaa 233

<210> 24209
 <211> 175
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-C8

 <400> 24209

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 gctcttggtt cttccgtctg ctggggtgaa tctctctctt tctcttccgg gagaaaccag 120
 aagagagaga aggaagaaga aaaatcgga ccagcctggc ctttttggcc ggaat 175

<210> 24210
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-C9

 <400> 24210

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 cagcctgtaa ggccttggtc ggggaacgaa gtttatgtaa ataatgcttc tactgtgaag 120
 agttccatca tatttggtgc tccagaaaag accctcagac cgggtgtttcc tgaaccata 180
 ttcatacaaa gacatcagac gatgaataat gttgcgagta gtcaaataaa ataaataact 240
 tgtatagtga ataactagaa actagcattc atcgttttgg tattgtatag cgctagagtg 300
 taattgtttg gtcggactgt cttgtataat ggtgtagggc tcaaacgcat tgtgacctag 360
 c 361

<210> 24211
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-B12

 <400> 24211

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tcaagattca gtgcgtctga tggctgttga aggctgtgct gcccttggtgta aattgttgga 180
accacaagat tgcgtagcac acattctttc agtcattgtc aatttctccc aggataaatc 240
atggcgtggt tgttatatgg tcgccaatca attatatgag ctctgtgagg ctgttggtccc 300
tgagcctaca agagctgatt cgggtgcctgc ctatgttcga ctacttcgtg ataataaagc 360
tgaagtgcgg atagcagctg ctggaaaagt aactaagttt tgccgcatat taaa 414

<210> 24212

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H3

<400> 24212

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gcggcgacga tcgagagcat caccaagatc acgacaggga ggctgggtgtc gctgtcggag 120
caagagctga tcgactgcga cccctacgac ggcggctgca acctgggcta cttcgtgaac 180
ggctacaggt ggggtgatcca gaacggcggg ctcaccaacg aagccaacta cccgtaccaa 240
gcgcggcggg acgcgtgcaa ccggt 265

<210> 24213

<211> 193

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H4

<400> 24213

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ggctccagat cctgcattgt gctcgccacg gcgatgctag ctacactatt cgcggttgg 120
ttgtgcacca ccccgctcac cttccaggtc ggtaagggat ccaagcctgg ccacctgatc 180
ctcaccgaa acg 193

<210> 24214

<211> 74

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H5

<400> 24214

accacgcgtc cggccacgcg tccgtccacg cgtccgccca cgcgtacgcc cacgcgggcg 60
gttctagatc gcga 74

<210> 24215

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H6

<400> 24215

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tctcctgcgg cggcggcggc gatcaacgtc gacgactacg gtccacgatt ctccttcgaa 120
gcgcgaatca tgatacattt tgtgtctcctt atcagcaggc aggggaaggt gaggctgacc 180
aaatggcaca ctccataccc acagaagcag agatccatga tcatcacaga gattagtacg 240
ctcgtcctga caagaagccc caagctgtgc aattttggct actggcaagg ctacagaatt 300
gtgtacaata gggatgctag cttttacttc tgcattgggca ttggccactt tgacaatgaa 360
ctggaaa 367

<210> 24216

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H7

<400> 24216

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ttcacgggcg gccctctccc gaaaatcgag caccagagtg ttccaatccc ttctccatat 120
aattattggt gttagtttcc tgctttccct agtcctcgc aatcaacaga tacctcatgg 180
acgatcagga gaacgagaat gagcacgaga agcatgccta tgctgggact 230

<210> 24217

<211> 412

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-H8

 <400> 24217

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 tgtggatcct gtatatgatt caagtccttc gggaagcgag aggcctgcac ctactggatt 180
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 catcgaagaa ggggggttcat cgtcaagaat ggaggtttct tccagagagg tagctggacc 300
 tagtttgagt tctgtggagc aaagcgaatc cccagagaaa gaagcctctg agataagaga 360
 gcaggccatg gttggccatg tcgaagcaca tggaggttct gtcagccatg ct 412

<210> 24218
 <211> 98
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H9

 <400> 24218

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 tgcattctga tgcttctagc ataagggtcg ccagtgc 98

<210> 24219
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A1

 <400> 24219

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 tccggcgacg accttcgcg tcatcttctc cgtcctcttc tgtgccgcgg ctggcacccg 180
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cgccgggttc gtgaccaatg tcaccgagta catcgcgggc gccaaaggtga ggctggagtg 300
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 cacgtacacg atcgagctca aggacagcca cgaggaggac atctgctagg tggctcttgg 420
 gga 423

<210> 24220
 <211> 76
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A10
 <400> 24220

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 gcacacggaa ttcggg 76

<210> 24221
 <211> 362
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A11
 <400> 24221

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 acatatactt catccaaata ctactacatc accatctcac tcaaccaata ctcatattac 180
 taaaccaacc cctccaatat gataccgacc tgtaccctac acaactacta cctctcactc 240
 cctcaatcct aaatcgtagt tacactagca gctacaccta acattcctcc aacttataca 300
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<210> 24222
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A12

<400> 24222

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ccgtcgccta tgttctacgt ccacgaggcg gacgtcgtcc agatccacca cttcctcgag 180
gagtgtccc tctgcgcaa atcgtctctc ggcgacatct tcatgtacag gggtgacacg 240
ccgttctgca gcgaggagtg cagggagcag cagatcgagg tggacagggc gaagcaccgg 300
cggaagaagc gcgcggcggc gcacgcgctg tccgcacgca gcatggagca ccggcaccag 360
cagcagctgc agcagcacca ccaccagcag cagcaaccgc agccgcggaa t 411

<210> 24223

<211> 85

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A2

<400> 24223

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gtggatgaac aaaaaggata ggact 85

<210> 24224

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A3

<400> 24224

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ccgccccgc tgctccgcc gatccctcct cccacctcca ctccggcagc ttgtccctca 180
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cggctctggg acggcctatg gaggacgtgc gcagcatcta cactgtcggc aaggagctcg 300
ggcgtggcca gttcggcgtc accagcctgt gcacgcacaa ggctaccggg gagcgcttcg 360
cgtgcaagac cattgccaag cggaagctct ccaccaagga ggacgtggag gacgtgcggc 420

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436

<210> 24225
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A5

<400> 24225

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tatcgccgtt cccagagaac gactggaacg ccatggtggt tggcatcaag ggcgaggtga 360
tggttaacta caagaggcgg aagcttgctg tggacaacta agattgtggt cgccagtctc 420
tatctcttag atgc 434

<210> 24226
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A6

<400> 24226

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gctcagcatg gtcgccgtcg tcctggctgc catcgccaca gtagcgctcg cggaggaagc 120
cgatccgcgg gactgcccgg cacagtggac caccgcgaag aagtacaagg ccacgatgga 180
cgccaagacg cggcaggctt tcgacggcgt ggtggccgcc gctacggcag agaagcggtc 240
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gggcgcgcgtc atcgcggcga cgccggacaa caagctccgc gctatggcgt tcgcgttcga 420
cggcgcgggtg gcgccggacc cgggcccgtg cccgcgcgtc 460

<210> 24227
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A7

 <400> 24227

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 ttttatagtt tggtttatcg agcacagaac gaatcaggaa ttcagaggac cgccagccag 180
 tcaaattgga acagtcttct acttctcctt ctcaacactt gtatttgctc atagggagag 240
 aattgtgaac aatttatcaa gaattgcagt agttgtttgg ctttttgtgg ttctaattatt 300
 gcagcagagt tataccgcaa gcttaagctc aattctcacg gtagaacaac ttcaaccaac 360
 agtcaccaat ttagatgaag ttatcagacg aggggattat gttggctacc tcaatgattc 420
 tttcatgcct 430

<210> 24228
 <211> 184
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A8

 <400> 24228

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 caccgcatca gctcactcac atcatgatcg ccgactcgac tatctccatc atcatcatac 180
 tcat 184

<210> 24229
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H2

 <400> 24229

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 cgcaagctgg cgggtgaacct gatccccgtc ccgcggctgc acttcttcat ggtgggggttc 180
 gcgcgcgtga cgtcgcgcgg gtcgcagcag taccgcgcgc tgacgggtgcc ggagctgacg 240
 cagcagatgt gggacgccaa gaacatgatg tgcgcggcgg acccgcgga cgggcgggtat 300
 ctgacggcgt ccgcatgtt ccggggccag atgagcacca atgaggtgga cgagcagatg 360
 atcaacgtgc aaaacaagaa cttcttctac ttcgtggagt ggatcccaac aacgtcaaat 420
 ccagcgtgtg c 431

<210> 24230
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A9
 <400> 24230

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 ctctgctgat gagggtgcac agggcgaatg agtcgttcga acacgggatgc tctgactggg 120
 tgctgtgac catagagtgc ggcatccctt tgtttagccc acagctctgc gagaggatct 180
 gcgagagggg cgtctagtca cagatgcttc agaaagacga catcactgag cactactaga 240
 cgatgcagaa cgtgaggagg aggctgagag agctgtgcac cgagtaccaa gcgaccggcc 300
 caacggcgag gctgttcaat cagcggggag gcttcaagaa caccttcccg cgcaaactgg 360
 tgc 363

<210> 24231
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-B10
 <400> 24231

cggccgagca ccatgcgagg aaataacatg ccgcggcaca cgtcgccgtt cctttggggc 60
 ttgttggcgt cggcggcgac cctgctcagc gtcggcgacg cgttgggtcgt cgacggcctg 120

caggtggggt tctatggcaa gacgtgcccg gcggccgaag gcgtcatcag cgacatcgtc 180
aacaacgaaa tcgctatgga ccggggcatc tcccctggcc tcattcgccct cttctttcac 240
gactgcttca tcacggggtg cgacgcttcc attctcctgg acgagtcgcc cgccggcgac 300
gtcccagaga aggagtcgtc cgccaacggc ttcaccctgg tcgggctcag aaccatcgac 360
atcgccaagt ccaccgtaga gggcatgtgc cccggcaagg tctcgtgcgc agacatc 417

<210> 24232
<211> 346
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-B11
<400> 24232

cgtcgccacc gtcggaacat ttcactctcc aggataaccc gcccacaacc aagagtgttc 60
aaggcggggt gctaccacca ccttaccaag gccagtttga ccaccacctt tggcttaacc 120
ttaagattaa ccatcttaag attaaccaag ccggcgcttc cggcctcatt aagcttcctt 180
ttcgcgggct tccctacaac gtcaacccca tggtcccca ggggagcaac cccatttca 240
acacgttcaa aataaatgtt tgggttaacc aagacttcaa caacgccaac gggaaagaca 300
ccggcgggaa aagcagttgc cgcggcagca acaacaacat cggcag 346

<210> 24233
<211> 428
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-F2
<400> 24233

gcaaacgcaa acaagaagca aaccagcaat ggcccgcgcc tgcgtcttcc tcgtcgtgct 60
gtcctagcc gccgtcgcca tggcgccgtt cgcgggcgcg gcgcgcacgc acgtcgtcga 120
gggcaggctc atggcgccg cggaacgacc ggaggccgnc gccgacgctc ccgtcctgc 180
tcctggcccc gactcctcct cgaccccgtc gccggcacc tccagcagca gctcttccga 240
ctagccgccc ggcagagata ttaacggcgt ccgatcagtc tttggcgcca cctataacct 300
atcggatcct gcaaagctat atatgattct atggtataat gtgtggttgc ggcaaacgcg 360

cggaataat gtgcttgctg gattgttttt ctctctcttt ttttgtttaa taatgtaaaa 420
caggcata 428

<210> 24234
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F3

<400> 24234

aaaggcggct gctgcggctg cctgtgctgg tgctgctgct tcctgttggt catcgtggcg 60
gcgctggccg gcacggccgc ctacttcttc ttcgtgtaca agcccaaggc gccgtcctac 120
tccgtgagca acatgtccgt ctgcagttc gacttcagca cctccgacct gacgctgtac 180
gtcaagctca ccgcctccgt gcgcgccgag aacccaacg agatgatcac catcaggtac 240
ggcgagggct cccacaccgt ggtctcctac cgcggcacgc cgctgtgctc cgggaagctc 300
ccggccttct tccagggcta caagaacgtc accgtcatgg acatctccat ggagggccgc 360
cacggcttcg ggtcggggct ccagcaggcg ctagaggaga gcgagaaggc cggggacatc 420
ccgctcgaca t 431

<210> 24235
<211> 388
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-F4

<400> 24235

ttcaagaaca tcaccggcac ctccctccacc ccggaggccg ttagcctgct ctgcagtgcc 60
aaggteccat gcaccggcgt caccatggat gacgtcaacg tcgagtatag cggcaccaac 120
aacaagacca tggctatatg cacgaacgcc aagggcagca ccaagggttg cctcaaggag 180
cttgcattgct tctagaccct tcgtcgactg acccatctct ctagttataa ttnttctctc 240
gtccttgcat tgcccattag ttgctatcca ttggtaacgc acaacagtaa aacgacagac 300
atccgacagc tatattatgt tcgacggtgt aacaccctga atttgaaggt ataaaatttc 360

ttctctaaat accaaccaaa ttcaggtg

388

<210> 24236

<211> 171

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F6

<400> 24236

ccagctcgtt ggcccggggc ctggggcccc ggcgccctca cgcccgtgg ccgctgtaaa 60

tagcgttcgg cgttcctgtc tccaccatc ccaagaagag ccgccctacc ttttccttct 120

ccccgccgcc gacctgcaa accaaaacaa ccagcagcct taacttcttt c 171

<210> 24237

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F8

<400> 24237

tgcagcaag ccaccgctcc acaacatcat cggcacctgc tctaccctc aagcccttag 60

actgctcttc acggccaggg acacatgcac cggcgtcacc atagatgact tcaacgacga 120

ctatacctac accaacaaca agaccatgc tatattcacg aa 162

<210> 24238

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-010-Q1-K1-G1

<400> 24238

ggcggcgccc ccagtccccg atccgaagct gtgcctcgta ccatttcgat ccaatggcgc 60

cgacgtcgaa gctgtcgacg ggcacaaagc gcgcttcgcg gtcgcacgcg taccatcgcc 120

gtgggctgtg ggccatcaag gccaaagacg gcggcgccctt cccaaggcc gacaaggccg 180

ccgccgtcgt ggaaccaag ttctaccctg ccgacgacgt caagccccgc gttcccagca 240

cccgaagcc taagcctacc aagctcaggt cgagcatcac gcctgggacg gtgctgatcc 300

tcctcgcaag gcgcttcatg gggaagagag tgggtggttct caagcagctc aagttcggcc 360
 tgctccttgt ctcttggcct ttcaagatca atggagtacc gatccgncgt gtgaaccaga 420
 cctatgtcat tg 432

<210> 24239
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G10
 <400> 24239

gaaggatata gtggaagtga tctcaagaac ctgtgcacga cggcagcata tcgcccgggtg 60
 agggagctaa tccagaagga aagaaagaag gagctggaga agctgaagcg tgaaaaagga 120
 gaaactccat cggatcttcc gaagaaggaa gagaccatca ccctaaggcc gctgagcatg 180
 gcagatctga aggaagcaaa gaaccaggtg gatccatgcc ttaccaagtg caatttgaaa 240
 cgatgcggat gcagattaac acttttcaac ttgaaaaata aactaatggc agttcgaatg 300
 ttataatacc ctgtaaactc tcaaattcag gtggctgcaa gtttcgcttc cgaagggtgc 360
 tgcattgagcg agctgaagca atggaacgag ttgtatggtg aaggaggctc cagaaag 417

<210> 24240
 <211> 173
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G12
 <400> 24240

acgcgaacat atactcgtac ttatttctcat aaccactaca cgactacagc cagtggccgg 60
 ttacaaaaac tcattcttac atatacaaac atgcaactgc ataaactgta tcattataaa 120
 agctaaactc acatccaatc ttcccaacta tacaacgacc ataattctaa aac 173

<210> 24241
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G2

<400> 24241

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atgtattttc cagtatctct atcatttgta tggacatgta tcttttattt gtaaggacat 120
ctatatgtta ttcgtgtgga catattgcta aattttggaa gtatctttta tttgatgga 180
catgtatctt ttatttatat ggacatctag gtcattggata aggagacaag tggtgcaaaa 240
gctgggtggg gactatgtca atggacacca actcaatcca catttggtct cacctttctt 300
agcaacattg ttgctgatgg cactaaaacc tgcactggct tcaagaaagt tcatctcaat 360
gcttggtgcta aggtctctca cgaccatttt aaaattataa ggacaggcga tcaagtggct 420
aatcacttg 429

<210> 24242

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G3

<400> 24242

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gcgctacggc gtgccgccca tgaagtggga caaccagctg gcgcggcagg cgcggcgctg 120
gtccaacgcc atgcgcaagg actgccagat cctccacagc ggccacgagt acggcgagag 180
cgtgttcagg agctacgacg actggaacgc caccgccagg gaggcgtct tctggtgggg 240
caaggaggag gccatctacg acaaggacaa ggagaagtgc aagtacggca aggtcttcaa 300
ggagtgcggc cacttcgcgc tcatggtcgg caagaggagc accaaggctg gctgcgcacg 360
agccgagtgc ttcaagggcg gcgtcttcat cacctgcaac tactatgcaa cggacctgga 420
caagaacaag aacaa 435

<210> 24243

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G4

<400> 24243

agataactct ccagctgata cagcaatgat acaaaagctc gctcgaagaa tcgaatggat 60
ggagcactga gaggagccca tgaattggga cagccaggtg gcgcg 105

<210> 24244
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G5

<400> 24244

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atggg'gcct ccgagagctg cgaggacgcg tggaagggcg aggaggagga tgtccccgct 120
gccgcgcacg acagggagta cggtcggatg ggcacatcg ccttcggatt cacacaccac 180
gccgccgtcg ccgtcgcgcg cgcgatgaatc gattaattat tatatatata tatgcatgct 240
atctactatg atcgatcgct tctcgacctt cttgcatcga tctgcatgca tattataatt 300
tatattatat tgatgccacg ccgcatgcag gtctttccaa ggcgtacgta ctatatcaaa 360
ttattttaat ttccttacat gtatatgtat gtgctgctgt tggatacgta cgtatattat 420
atatgttct 429

<210> 24245
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G6

<400> 24245

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tagatgaaaa ccacagcctg ccagagattg atagtgatag tggttgatca cgattgcagg 120
ataaaagaag taggcgcaat gaggagtcac tttcattcac aagctctaac agagaaagtt 180
ggggcagatg ttcattctta ggagcagcca gtgatgaatc attctcaggc gataataatg 240
ataagcagaa tttgacagtc aaggctatgg ctacgcctgt aagacaaaac cagaggcaaa 300
gccagaggaa accgattgag aaaactaaac agaagaagat tcaagcccta tggaagaaga 360
ttaagagcga aaaggtgg 378

<210> 24246
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-G7

 <400> 24246

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 gcggagaagg agactgccgc cgccgccgca acctcgaagg aggaggagga ggtggagtcg 120
 cccaagaaag gagcggctct gtccgcggtg ccggaggcta tcgtcatcgc caccgccgca 180
 acctcgaagg aggaggagga ggaggaggtg gtggagtcgc ccaagaaaga agcggctctg 240
 tcgccggcgc cggagcctat cgtcatcgcc ggcgcaacct cgaaggagga ggaggtggtg 300
 gaatcgccca agaaagaagc ggctctgtcg tcgccgtcgg cgccggaggc catcgttgcc 360
 gtagcagcag tggaagacgt ggtggcggac aagtctgtga cggttgtgaa ggaggcgatc 420
 aagaagc 427

<210> 24247
 <211> 100
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-G8

 <400> 24247

 tcggccacgc gtccgaccaa ccgtccattc ataaggaaac tcacacaatc caagggctctg 60
 tacaatatga aaaacaatac cctccataac ttgatagtga 100

<210> 24248
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H1

 <400> 24248

 cccacgcgtc cgcaccgcg ctgcacacaa accagaaac caccggcaat aaacaagtcc 60
 cgctcccagt ctccgatccg aggaagccgg aagaggggat ttcgagccgc ggcgatcggg 120

gctagagtgg cctcgcacgc gtccgcgggt ggaattgccg agaagccgag agagaggggt 180
 tggagcggag ttgcgggagg tgggagagaa ggcggcgatg gggcgccctgt tcctgatgca 240
 cctggacggc aacgtctaca gctgcaagca ctgtaagacc cacctcagcg ttgccagcga 300
 catcatctgc aaggccttcc agtgcaagca cggcaaggcg tacctcttcc ataaggttgt 360
 caacgtgact tctggagtaa aagaagaccg gatgatgata acaggaatgc atactggttc 420
 tgatatcttc t 431

<210> 24249
 <211> 339
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F12

<400> 24249

cggacgcgtg ggctccatga aagaaatatt gctcacagag acattaaatg cgcaaagatt 60
 ctgatgcatg caaatggatc tgtgaagctt gcagattttg aactcgctaa ggagattacc 120
 aaattcaatg aacttaaata atgcaaagga actgtttatt gcatggcacc gcaggttgtt 180
 gatccgcagc atacatatgg acctgcagct gatatatgga gtcttggttg cactgtcctg 240
 gagatgttga caccgcagat accctatcct gaccttgaat ggtcacaagc tctatacagg 300
 atctgtaagg cgtaatcacc atcaatttca aacactctt 339

<210> 24250
 <211> 133
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H10

<400> 24250

cgcacacaca acccgcatt tttctcetta caagtccact cagtacacaa ggtgccgttg 60
 caaatttagt tccggtttgc tgtcaagctc ttctgcttg cccttcggta agcatttctc 120
 ggagaagacg act 133

<210> 24251
 <211> 330

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H11

<400> 24251

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 cgtagcgtg caacgcttgt ggaaagagta cgagaacgtc ggtttctgtg atggtgagag 120
 cgtcggctac ttctcgttgc ggatcaacgg cctcgtcgca agccttcgag agatgggcga 180
 gacgctggag gaccaccgag tcgtgaagaa gatcctccgc gtcgttccca aacgtctcat 240
 gcagggtggc gtggcgatcg atatgctcac ctgacctaac acgacgacga ttgaagagct 300
 cttcggtcga ctacacgttg ctgatgacgc 330

<210> 24252
 <211> 311
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H12

<400> 24252

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 cccttcccct ggaatgcatg ttgatgatgt tgctggttcc aacttcgttt tcagtaataa 120
 taacaacaaa gcgaagaccc tctacctac cctatttgcg tgagcggctc ttgtccgcgc 180
 cacaagatac caattgttgc gctgggaata ttcagttacg atgacctgct ttagttcagt 240
 tttttttttg ggggggttgg ttgatcatt tggctgtagc gtgaatcgca tggacaacag 300
 actgcaatta c 311

<210> 24253
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D2

<400> 24253

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 cggacgattt tcgactcgat gcggccggac cgggccgtca tggctggact ggagaagatg 120

tccgacgccg ccattccgcc agcgaaatac gatactacgt cgccggcccc gaatgcgctc 180
 aggtccccct gctgctgctg ctgctgcgac acaccgaata cgtcgtgtat gtcgatgggt 240
 gacggctcga acgggcccag ctggttgcac gacagatatt tcttacgctc ctcgacgcgg 300
 gtgagtgtgt ccatgaggaa tttctcgcac gtctcggtt cattcgtaa caccaacacc 360
 gccggatctg gctcgaacat cctaatttgc ttctccaact cttcgacctg atgtctggat 420
 tttctaatac 429

<210> 24254
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-D3
 <400> 24254

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 gcaaaggggt agggcttgc gtccggcatg tcgagatcgg cagccgtctg aggaaccgga 120
 ggagcaggtg gacctggagg gggacgacga cggcatggac gactacgacg ccgggtaccg 180
 tcgccgcgga agccgggacg actcgtagga gcccgaggag gatgacgaca atgactagcg 240
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 ggatgacacg gtcaaggggc ccgacgtcgt cgggtggcagg cccgaggacg aggaggatag 360
 gagcaagtgg gatgacatgc tcgccctgcc gacctatggc ttgacgtct tcattgggt 418

<210> 24255
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-D6
 <400> 24255

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 gactacctga tgaagatcct gactgagcgc ggctactcct tcaccaccac cgctgagcgg 120
 gaaatcgtga gggacatgaa ggagaagctc gcctacatcg ccttgacta cgaccaggag 180
 atggagaccg ccaagaccag ctcttcctg gagaaagagct acgagctccc cgacggacag 240

gtcatcacca tcggcgccga gcgcttcgc tgccccgagg tcctcttcca gccatccttc 300
atcgggatgg aagctgccgg catccacgag accacctaca actccatcat gaagtgcgac 360
gtggatatta ggaaggatct gtacggcaac atcgctctct cgggtggcac caccatgttc 420
cc 422

<210> 24256
<211> 385
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-D7
<400> 24256

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cttagctccg agcttcagtg ccttcgttgt tagctgttag ctccacagtc cacagtcca 120
cacacacgtc cagctgcact gcaccaatgg ccgccgtcga ggtccaggtc ccgactgccg 180
ctcccgtcga ggaggctgct gctgctgctg cagcgggagt ggaggctgcc cagctggccg 240
ccgtcgagac cccgaacgag gagaccgctg ctccggcggc tgataccgaa gtcgtcgccg 300
ctaaggagcc ggtgtcggcc gaagccgaga ctgatttcaa ggaggtcgag gtcgaggccg 360
atgcogtagc tgaagctgaa ccgac 385

<210> 24257
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-D9
<400> 24257

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caatatccag gtgaggctcc acatcggtgg cgaccacaag gaggagcacg agcacaagaa 120
gggcgaggag caccacatga agggcgagga gcaccacatg aaggacgact gggagcacia 180
ggagggcatc gtggagaaga tcaaggacaa gatcaccggc tagcacggcg acaagtccgg 240
cgaccacaag gacaaagacc ataaggagaa gaaagatttt aagaagaaga aagagaagaa 300
tcacggggaa ggccatgacc atggtgatgg tgactgccac agcagcaaca tcagcgacag 360

cgactgatct cgccttggcg aacgccgtac gcacaaatgc accgcgcagg ttataata 418

<210> 24258

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E1

<400> 24258

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agggtatcct tgctgctgat gagtccactg gcaccattgg caagcgcctt tccagcatca 180
atgtcgagaa cgttgaggag aaccgccgtg ccctccgtga gctcctattc tgctgccttg 240
gtgctctcca gtacatcagc ggtgtgatcc tcttcgagga gaccctgtac cagaagacca 300
aggatggcaa gccttttgtt gatgtcctca aggagggagg cgtcctccct ggcatcaagg 360
ttgacaaggg caccattgag gttgttggca ctgataagga gaccaccacc caaagccatg 420
acgaccttgg c 431

<210> 24259

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E10

<400> 24259

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tccctcacac aaataataag gaaagggtccc gcccttttcc tccgacatcc acaagggggg 120
aggggaaaaac acgtacattc acccggcggc aataatggcc ttggttccgg ctccggcgac 180
gacgaccgcc gtgcgtcatcc tatgcctatg cgtcgtcctc tctgtgccc cggtgacga 240
cccgaacctc cccgactacg tcateccagg ccgcgtgtac tgcgacacct gccgcgccgg 300
gttcgtgacc aacgtcaccg agtacatcgc ggacgccaag gtgaggctgg agtgcaagca 360
cttcggcacc ggcaagctcg agcgcgccat cgacgggggtc accgacgcga ccggcaccta 420
cac 423

<210> 24260
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-E2

 <400> 24260

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tgcccaagtt tggggagtgg gacgtgaaga atccggccac gtccgagggc ttcaccgtca  180
tattccagaa ggcccgcgac gacaagaaga ccaccaccgg ccctggggct gggaacgcgc  240
gcgcaggcat tccgtcggcc ttcaggaacg gcggcggcga cggcgggtac aggcccgact  300
tcggcgacgg caaccagtac acgccggcca aacggaagaa gtgggccttc tgtggctgct  360
gaatcgaagc tcgctgtgct gctgtgctga c                                     391
  
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<210> 24261
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-E3

 <400> 24261

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ggtgcgtggg ggacgcgtcg ctggctagcc atggccaggg ccagcagcga gcaggcgccg  180
tccggctcgg agcggcgcgg cgtgcggtca gcggggctgt ccgggctagc agcagcaggc  240
atctggggcc cgtgcggggc ctgctctccg aagaggccgc cgccggcgag cgggcggcgg  300
agggcgaggg aaaggacgcc gcggtgaggg tgttcgtggg ccttcccgcg gacgcggtgg  360
tctccgacgg ccgcggcggt ggccggccca aggccgtctc ggccggcgtg cgcgcgctca  420
agctgctcgg c                                     431
  
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<210> 24262
 <211> 341

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E4

<400> 24262

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 cctcccaatg tccttcatac gctaacatgc cagtccacta tggtctggact gtctgtacgc 180
 gtgtacggac atggtatcat ctgcctacct ttgtcatgtt atgaaacgac atttgccacg 240
 tggaactaca atgaccacaga acactctggg gctcctataa cgtgtgctac atgctggcac 300
 atacgtatca gtgatgacgg cttcggttgt tggcaatgct t 341

<210> 24263
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E5

<400> 24263

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 cgtcccttcg gcggcggcgg cgatgtctct cccccctggc ccggcggaca gtggcaccgg 120
 caccggagac gactggttcc tcgactgcgg catcctcgac gacctgcccc ccgcggcctg 180
 cggagccttc ccgtgggacg cgtccccgct gtcttccaac cccagtgtgg aagtgggcag 240
 ctatgtaaac gccaatgat cattcaagga gcccaatgat gtcttcaagg agcctggcag 300
 cagtaaactg ttacggtcag gatccagtga tatgccaaca tctaaagctt gcaaggaaag 360
 aatgaggagg aacaagctga atgacagggt tcttggactg gggctctgcat tagaacctgg 420
 gaagccagtg 430

<210> 24264
 <211> 284
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E6

<400> 24264

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cctcaattca gcggtgttca ggcacggatc cttctgtac gtgccaagg acacggtctg 120
ccccatggaa atttcgactt acttcaggat caacgacaag gagacaggcc agcttgagag 180
gactctgatt gtagccgatg agagaagctc tgtagctat ttggaaggct gcactgcacc 240
agcatttgac tcaaatacgc tgcattgctt agttgtggag cttg 284

<210> 24265
<211> 412
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-E9

<400> 24265
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gagagaaaca ggggagcgcc cccactcct cttcgtgcc aagaaaccac cattcctaac 120
ggatttctac ccagtcttct ttaggatttc cgattcgggt ctccggtgag aggggtgggaa 180
ttttattttc ctccgtgca accggtgcaa acatttcgaa tccctccatt ccattcctct 240
ccgtgcaatc gaccattcat atgttccttg gctgcattga ggcacggta cggaatttt 300
gatgtgagct gaccagacat ggctgcgaaa gacggctcgg gatcacaaga tctggggggg 360
cacacgttct ggcccatgct gtcctacgct tgcngcgagc tgtgtgtgat cg 412

<210> 24266
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F11

<400> 24266
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cacgcggcgc agtgcgtaa ggacaccgcc gcagccgcgg ccgacagtgc gcagctgcag 180
cagcaccgcc ccaccggcac cgttgagcag gtggcgagca cgggccaggg cgtggcggca 240

ggcgtcaagg acacggtggc gggcgcggcg gttggcgta cgaacacggt ggcgggcggt 300
 gcgcgggcg tcacgaacac ggtcacgggc gccgtggcgg gcgtcacgaa cacggtgacc 360
 ggcgcggcag caggtgtcaa ggacaccgtg accggcgggcc actgatcgac gacccaag 418

<210> 24267

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D11

<400> 24267

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 gctggacggc gacggcgacg gcgacgagaa gaagagcatg atcgccgtga tgctctcgct 180
 gcagaagtcg gagccggacg tgtacacgga caccatgatc atggcactgt gcgggaactt 240
 gtttacagcc ggaacggaga cgacgtcgctc cacgatagaa tgggccatgt cgctgctgct 300
 gaaccacccg gaggcgctga agaaggccga ggcagagatc gaggcggccg tgggcgcgtt 360
 ccgcctcatc accatggacg acgtgcccgg gctgggctac ctgcagtgcg tcatcaacga 420
 g 421

<210> 24268

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B12

<400> 24268

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 cctcctccca taccgttgcc ctacccccac taccgcgcc cgcggccccg ccgggtcctc 120
 ctccctccgc tcgctcggaa ccagaggcct cgcgacgtct cgcgccatgc gggctcgcga 180
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 cccctcctc accgtcgtcg gccaggggcc ggtctgccag aggccgccg tcgccgcgt 300
 catcctgcag caggcgtcca cctgtcgagc ggtggacgcc ccagggtcc ggggtcaccg 360

cgccggcttc gtggaggggg atgatggggc cctgcaaaag gcagtagcac ttgtgctgc 419

<210> 24269

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B2

<400> 24269

ccaaaactta gaggtctctt ggacttggtt tgaggttgaa aatcgcttg ggtgctggaa 60

agggaatttt gtatctacat actgaagcag atccacctat attccaccgt gatgttaagg 120

ccagcaacat tctgttggac tccaaattcg ttgcaaagggt agccgatttt ggtctctcga 180

ggcttgctcc agtgccagat gtcgaaggga cattgccagc tcacgtatcc actgttgtca 240

agggcacccc aggctatctt gatccggaat acttcctaac tcacaaactg accgacaaga 300

gtgatgttta cagcctgggt gtcgtgttcc ttgaaatggt aactggtagt aaaccaattg 360

agcatggtaa aaacatagtg agagaggtaa actcagcttg ccagtcgggc gcagtttctg 420

gaataatc 428

<210> 24270

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-010-Q1-K1-B3

<400> 24270

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ataagcagat cattgttgtg gtggctctcc tttttcttgt ggtggcaaca tcatcatcag 180

tgtgggttgc agaaggagcc gatgacttaa aagtttcttg cgttaaagag tgcacccaaa 240

attttaacac tcccgagggc aagaagatct gtgaaacgat gtgtgccaac cctaaaggaa 300

ggcctatcga cagagttaga gctgattgat caatgctcat ctttatttgt agctagctat 360

catgcatgcg atgatggcct tcttgattat tattatttca ttctcatgg tngttgttct 420

tgcattgttt tt 432

<210> 24271
 <211> 173
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-B4

 <400> 24271

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 agagactctt tcactactt acctcaacac tataacatat acccaattca tatectacta 120
 tcagcatata catattctcc tccatattat cttcatcatt aaccttacet tat 173

<210> 24272
 <211> 145
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-B5

 <400> 24272

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 aggctgtctc agcacagaca aggcactgtg aacagacata ctactaagc cgccgggtgct 120
 aagctagtca ttgaacgccca cagtc 145

<210> 24273
 <211> 212
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-B6

 <400> 24273

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 aaacaagagg ggcaggggtcg agatggatgg cggtcagtac tgtcgaagag gcacgctcgt 120
 catcgaggca gagatcttcg aggtgggtcc atcgggtgcgc gtgggtggaga tgtggaagat 180
 tggccgagac tcagatgagt aacgagcgtt gt 212

<210> 24274
 <211> 194

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B7

<400> 24274

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 gcttacaagg gaggcagact cacttgata acaggtccct gctgatcaac tcgaactcct 120
 gacgaaattg tgaagcctga ttctctcaag gcaagcaacg atgaatgcat gcccatgtat 180
 cataggccct tcat 194

<210> 24275
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C1

<400> 24275

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 cgctgcagaa gcgcaccggc agctacttcc gctacacggg ctccctcacc gtgccgccat 180
 gcaccgagaa cgctcgtctgg agcgtcctcg gcaaggtgcg ccagatcagc caggaccagc 240
 tgcagctgct caaggcgccg ctgcccggga gcgacgcgcg cccacgcag ccgctcaacg 300
 gcaggaccgt ccaattctac aaccgtcca acagcaccat ctacttcag atctaact 360
 aaagagtact ttggaatctt taatatagcg gaactctgtt tatgatta 408

<210> 24276
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C10

<400> 24276

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 aggtgagaga gataatgcgg tgggtgggtgct catggctgaa tgaatggggg tgtcgggcta 120
 tgcgcggttg acgtcctcat cgaagcaaac cccttcaccg ttgggtgcct cgtgccgtgg 180

cctgggaagt cgatgactgc tcatcatggt aggaggcccc gaccgaccgt gcaatcgtgt 240
gccgacgctg tggctgtgcg ccaatgaaat cacggtatct tcggatccaa gtcggcatca 300
cagtagacca gagtaatacg aaggttgata cagcgccgaa ggtgtgagca ggaaagcttc 360
ggcgcgacaa caaaaagtga aaccgactta aagatgaaaa ggctatttag ac 412

<210> 24277

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C11

<400> 24277

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aaagttgccg gttattcaga gtgggtctaca tttctttgag acaatgcaaa agtgggttcgt 120
gttggtgctg ccaatatcaa agaaagtatt gaaatgagtc ttaaacgctt gtctacagat 180
tacattgatt tgcttcagat aactggggtt atgttggtgta ccttgtctgt gtgaggcgtg 240
gtggtaggaa gaggcctttg cccaagtgtg ttatctatgg ctagcccaag caccagggtg 300
tcacccaact caagttctag aggtacaaga gctctctcgc tgatgagaga gctagacgca 360
agcttggtgg actgaaggtt cttaacttct actgggtgaa cgaagtaca 409

<210> 24278

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C2

<400> 24278

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atgcaatgag agccttggtc cttctagcgc tcttctgcac cgtgcatggt gagaaggcaa 120
agtcaaagga caacgattca aaagcgtccg ggcccgggtg gtccttcgac atcaccaagt 180
tgggcgccctc tggcaatggc aagacggata gcacgaatgc tgtgcaagag gcgtgggcat 240
cggcgtgctg cggcaccggg aagcagacga tctcatccc caagggcgac ttctctgctg 300
gaccactcaa cttcacaggc ccatgcaagg gcgacgtgac catccagggt aatggcaatc 360

tgctggcgac cacggaccta agccagtaca aggatcatgg gaattggatc gagattctac 420
gcg 423

<210> 24279
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C3

<400> 24279

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ccaaatgtca tcaagcaatt ggctaaagaa ctgaagaacc ttgatgagtc acctccagaa 180
gggattaatg tgattgtcaa tgatgattac ttaactacta tttttgctga cattgaaagc 240
cctgctggaa ctccatatga gaacgtagta ttcgatgatga agctattatt gtcacgcgat 300
ttccctcaa 309

<210> 24280
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C4

<400> 24280

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tgagtgggtt gacattgtga agactgcgag gttcaaggag ctccctcctt atgacctga 180
ctggtactac atcatggctg catctgtagc aaggaagatc tacttgagac aaggcattgg 240
tgttgggtggc ttccagaaga tttatgggtgg cgcgcagagg aatggctcac gccacctca 300
cttctgcaag agcagtgggtg ccatttcacg caacattctt cagcagctgc aggagatggg 360
cattattgat gtcgatccca aggggtggacg gcgcacacc ttccaaggaa ggcgtgatct 420
ggacca 426

<210> 24281
 <211> 253
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C5

 <400> 24281

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 ctggcaacct ggccctctggt ggtgctgctg gagcttccctc tttgtttttt gtgtactccc 120
 tggactacgc gagaacaagg ttggctaata acgcgaaggc tgccaaggga ggaggtgaaa 180
 ggcagttcaa tgggcttgtc gatgtctacc gcaagacaca taagtcagat ggtattgctg 240
 ggctttaccg tgg 253

<210> 24282
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C8

 <400> 24282

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 cgatatttaa tccaccttgc cggcatgagc cagtcgcaat aggttcaagg cccggacaag 180
 catttcaaga gccatcttca tttcttgcca tacgacctct gtatgaagat gagagataca 240
 tggtaacata taaccaaca aaggataaaa tatatgcatt gcttaatgac caatcaaaat 300
 tagacgacat tatcaagctg ctttccatac tcatatgcta ttgcatttta ttaatgcac 360

<210> 24283
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C9

 <400> 24283

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caatgatgga tgcacataat ttcatggtct agttacctca ccttatactc acggctctcc 180
atgctataca caacgatatc ttgatcactg acccgatata cagtatcacc atcaataatc 240
cttacagact aaacatt 257

<210> 24284
<211> 433
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-D1
<400> 24284

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aagcctccat tgccacgtcc ggcaagtcgg tcgagtcctt gtgcgcgccc acgtttgtaca 180
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tgttccacag cgttgccaag gtggcgctgg agtcggtgaa aacagcggtc gagcagtcca 300
agacgatcgg cgaggctaata gccagcgact ccatgaccga gagcgcgcgg gaggactgca 360
agaagctcct cgaggacgcc gttgacgacc tcaggggcat gtcgagatg gccggcgggc 420
acatcaaagt gct 433

<210> 24285
<211> 259
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-010-Q1-K1-B11
<400> 24285

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gttcacgggt caaacttgaa agcgcactga ttcaagggca aaaaatggtg tcagcaggag 120
ctgcaacgtc acagtttttt agatttggtt gagcagttta acattatgta tgtttggtta 180
gatcgtttgt agatctatat atatattcac ttaaattcac atgtgttgga gtggtattgg 240
tttttatatt tttttattt 259

<210> 24286
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-D10

 <400> 24286

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 cgcggcgtga tgggtgtacgt cgcggtgctc gccacggtgc gcgcgcccgc ggcgctgcgc 120
 cgcaaggccg cccgcgtgcg caagggccgc aggcgctctg cctacgcggg ccaggccacg 180
 gagatatacg agctcctcgt ggacgacacc ggcgctcgtc aggtggatgc cggcgccgctc 240
 aatgcggtgg cgctgcccgt gaagcccgc ttgcagctgt aggaaaaggg ggagctggat 300
 aaagaagtgc tggccagggt ctacggcacc ggcttttga ggagcccttc gcagctggac 360
 gacaacgacg acaggtgatc gggac 385

<210> 24287
 <211> 149
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-H1

 <400> 24287

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 gcgactatcg ctctgagccg atgataaatg cccatgtggc tctaacttcc tatcatcaat 120
 tgcaccctgc cgatagccca ttcagcaca 149

<210> 24288
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-H10

 <400> 24288

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 agatgggtggg ttcagtcaca gccaaat ttt gggatccaga aggatattgt tagcaagcgg 120
 ttatgttcgt tgggcagggg cattcatgag aagcaagtgg aagattcagt gccacaacct 180

aaacatgagg aaacattact ctgtcaagca gttgacacta gcaactgaaaa gattggagat 240
gcggttgagc ctccatggat ggtttcgcca gccttcacga agtattccct tgaaacaggt 300
ttagaagaga tgaagactgt tggtagctat tctcaagtgt cgaagtgtat agaaactctc 360
agcaattgtt tgtacaagga taatgaattc ccagattttg aatgtattga cccagcacct 420
ttg 423

<210> 24289
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-009-Q1-K1-H11

<400> 24289
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cgtcgcagcc ggctccgcct acctcttctc ccgcagtagg aagcccaggg gatgcctaga 180
ccccgagaac ttcaaggagt ttaaacttgt tgagaagagg cagctgagtc ataattgttc 240
caagttcaag tttgcgctcc caacacctac ttctgtattg ggtcttccaa tcggacagca 300
tataagctgc agaggacagg atgcttctgg cgaagaagtg atcaagcctt atactccaac 360
tactctggac tctgatgttg gatcttttga gcttgttata aagatgtatc cncaaagaag 420
aatg 424

<210> 24290
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-009-Q1-K1-H12

<400> 24290
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ttctggttgg tggtgcgcag gcggtagtgg agttggtgcc tgctgatgat aatatcgccg 180

ccgccgctgc tggcacggcg gtggacgatg gcgagccgcc tcagcagtgc gcgaccccgg 240
tgagcgtgga ggagggcgtgc cgcgggcggt ccgagacgca cgccggcggtg gcctacgacc 300
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<210> 24291
<211> 415
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-H3
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gaacacggtg gccgacgtgg cgcgggcggt cacgaacag gtcacggcg cctggcggg 360
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<210> 24292
<211> 419
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-H5
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cagatatccg gtggagatgt gcaggtcctg caggtgatgc tgaagtctca ggagaagctg 300

actgcaaaac caggtgcaat gtgctacatg tctgggaaca tgcagatgga caacaattac 360
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<210> 24293
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H6

<400> 24293

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 cggccaagat cgctggaacc aaccccgtag agtggatgga gaatgccgac cggttgatcg 180
 tcgggttcct cgagaagttc gaggaaggat gccacatgat ggaaaccgcc attaaaggctc 240
 gaattcagga ggggtctgaag aggcaaggca ggtcagagtc gaacctttcc ggagaggact 300
 ccgactcgta ataattggtct gtagtatcca aatcaaacta gacggaagct ggactggagg 360
 tcataactcgc gcagtctgtg taacagtgtg agattgatta gcatgttttt gt 412

<210> 24294
 <211> 146
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H7

<400> 24294

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 cggaatttaa tcaataccca tttggtt 146

<210> 24295
 <211> 423
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 24295

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ctcgtcgtcg tcctagcggc ggccgtgtcc gcgctcccg cgatcaacgt gacgacgatg 180

gcgttcgagg acgggtaacg gccgctgttc gggcacggca acatcctccg ctccgccgac 240

caccgcaccg tcagcctcct cctcgaccgt tccaccgggt ccggtttcat ctcgctgtcc 300

atgtaccagc acggcttctt cagcgcgtcc atcaagctcc ccttcgacta caccgncggc 360

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gac 423

<210> 24296

<211> 200

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A1

<400> 24296

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gcgctgctgg tggcggctgc gtacgtgtgc ggcgcgctcg cgtcgacgct ggtgctgtac 180

aaccggtgcy gggagacggt 200

<210> 24297

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A12

<400> 24297

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gagtgcacga tcagcggcct cctctccgtc gatggcctca aggtccttca catggacagg 120

aatgactact acggaggaga atcttcgtcc ctgaatctaa ccaagctctg gaacaggttc 180

aagggcaacg acagccctcc cgagcacctg ggcgtcagca aagagtacaa cgtcgacatg 240

gtgccaagt tcatgatggc aaacggcgcg ctggtccgcg tcctgatccg caccagcgtg 300
 accaagtatc tcaacttcaa agctgttgac gggagctttg tgtacaacaa tggcaagatc 360
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<210> 24298

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A3

<400> 24298

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 gtgaaggact gcggcgggca caagggtgct gagtgcgagc gggagcggct gtaccggcgg 180
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 aacgtgacgc cggcggcggt cacgtacctg ttcacgacga tgcaggcgac ggtggcggcg 360
 cgcaaccgga acgagcgcgt gggcgtgtac tacgaccaag ctgacgcgta acgcgaagta 420
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<210> 24299

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A4

<400> 24299

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 aaggaccgcg tgaagccgct gccgacgccc gactcgtgga agctcaagga gatcttcgcc 180
 acgggcatcg tgctagggac ctacatggcg ctgccacgg cgctcttctt ctacctggcg 240
 cacgacaccg acttcttcac caacgccttc ggcggtgcgt ccatcaagga gaacgacaag 300
 gagctgatgg cggcgtgtga cctgcaagtg agcatcatca gccaggcgct catcttcgtg 360

acccggtccc ggagctggtc ctctgtggag cggcccggcg cgctgctggt gatcgcttc 420
ctggcggcgc aa 432

<210> 24300
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A5

<400> 24300

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gaacgtgaac ctgccaccct acagcggcat gacggcgtgc ggcaacgtcc ccatcttcaa 180
ggacggcaag ggctgcggct catgctacga agtgagatgc agggaaaacc ctgaatggct 240
cggcaatcaa tcaacgggga cattaatggc cttaacctac aacctatcgg ttcctaacia 300
tttgacttga accgcaaagc ctctggcttc ctggcaaagc ccgggcttaa ccgacagatt 360
cggcact 367

<210> 24301
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A9

<400> 24301

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atccttcgag cagacaatgt acaacttcat gatcatcttc atgatgcaaa tgaacagttg 180
agacattatg aatctctact agaagatata cacaaggagt caaaaaggaa gattaaatcc 240
cttaccgatt cactcaatgt atctaaacia aatgaataaa tgctgaatat agatgccgac 300
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aatgaact 368

<210> 24302

<211> 434
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 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-B1

 <400> 24302

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gcagccgccc ccgcccgcgc agcagccggc gggcgggggc gggatgatgg agaacaacca   180
cgcgacgctc agccacggtg gccgcttcat ccagtacaac atcttcggca acgtgttcga   240
ggtcacctcc aagtacaagc cccccatcct ccccatcggc aagggcgccct acggcatcgt   300
ctgctcggcg ctcaactccg agacggcaga gcangtggcc atcaagaaga tcgccaacgc   360
cttcgacaac aagatcgatg ccaagcgcac gctccgcgag atcaagctgc ttcgncacat   420
ggaccacgag aata                                                         434
  
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<210> 24303
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G9

 <400> 24303

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cgggtgcggat gaacgcggtc gtgtacgcgc tgtcgacctt ccagcagaat gtaatgccag   180
cgctgtggaa agacatcacc accaagatcc aacacaaggt caccgagAAC tggatctccg   240
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aggataagct ttctcacaga tattaaatgc gctgcccttg acagacagca ctccgagttt   360
tcatgatggg ttccataatc cttccatgat gatttaacat ttgtatgatc aatttcagtt   420
caac                                                         424
  
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 <211> 93

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-B10
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<210> 24305
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 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 tcgtgtacgt gtcggccgag gtgggcatga ccggtggcgc gttcgcgcac cacgagctca 360
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 a 421

<210> 24306
 <211> 276
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-F2
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 ctggtcttcg tggtcgacga gaagccccac cccgtgtacc ggcgtgacgg caacgacctg 180

ttggccgagg tccgtgtgac gctcgcccag gcgctgggcg gcacggtcgt cgtcctcacc 240
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<210> 24307
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F3

<400> 24307

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aataactacta tcccacagaa acttttctct cagtccgttc gatcgatcgc tgacgagtcg 180
tttgccagac accatcagca cccaaaacca tggcctgcaa cctgggtcaa tgcagccacc 240
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ttcttca 307

<210> 24308
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F4

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<210> 24309
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F5

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<210> 24310

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F6

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tgcgtttgat cccaatggaa gacagtgctt gaccatggaa ggctacagga aaattggaca 360
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<210> 24311

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F7

<400> 24311

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aatatcatat cttttaaaaa aaattaatat tcttccattt tttttaaaat aaaatatattt 240
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<210> 24312
 <211> 324
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-F9

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<210> 24313
 <211> 328
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-G1

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caacgtgaac ttggccgact tcaacgtt 328

<210> 24314

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G10

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gcctttgcct cagcaagtta ttgtgatatg gggagagcac gatcagatat tccctgtcga 240

gaaggcattt gaatttgcaa gggaacttgg cgcaaattct aggttggagg tgcttgagga 300

cactgtccac atgccc 316

<210> 24315

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-009-Q1-K1-G11

<400> 24315

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ccccagaac ttcaccggcg gctgggtagg agccgacgtg tgctcctact tcggcgtcac 240

gtgctgccg gactcgacg acgctaacac caccgtcgtc gcgggcatcg acctcaacgg 300

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<211> 55

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G12

<400> 24316

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<210> 24317

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G3

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gccacgctgg cgctggccca cgggtgcgca ggaggaggac catcggcacg ggcgggcgac 180

ctggacaagg tcacggccga gaccttcttc gacatcgaga tcgacggcaa gcctgcaggc 240

cggatcgtgc tgggactgtt tggggacacc gttcctaaaa ctgcagagaa cttccgagca 300

ctttgcacag gggagaaaagg aattgccaa g tccggcaagc ctctgtggta caaggggtcg 360

acgttccaca ggatcatccc ggggttcatg atccagggag gcgacttcac caacggcaac 420

<210> 24318

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G5

<400> 24318

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gaggtgctcg gcgtgtcgcc gtctgcggcg cccaacgaga tcaagcgcg gtaccggcg 240

ctcgcgctca agtaccacc ggacgtgaac aaggagcca atgctcatga gaagtatctg 300

cggatcaagc acgcttaca cactctgatg aactcagagt cagcatcaa gtacgcgagc 360

agcagttcgg attcgtcctg gtctccagc taccgggaga ggaaatcagc tgctgcag 418

<210> 24319
 <211> 256
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G6

 <400> 24319

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 acataaaaaa aaaaaaacat aaaaatagat aaaaaaata aaaaaaagaa aataaaaaaa 180
 aaaaatataa ctaaaaaaa aagaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaggg 240
 gcgccccctt aaaaga 256

<210> 24320
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G7

 <400> 24320

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 gccatgatta tggcaggtag agtcctcccc cctgaggtt tgacatccgc tggagcacag 180
 cctctcagcc tttgctgact ggacgagata ctgagcgcaa cttccatctg ttgcgccatg 240
 tttcgctagc ctacgctgta acagacatcg ttttttggtg ttggaagccc cattggcttt 300
 cgactagatt ctgttaaggt agggaatgag gtttttagatc accttggatg taagagaagc 360
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 <211> 419
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 24321

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gctccacctg gtccaccggc ctcaccaagg accactttga cggatcctcg ccctccgtca 180

gccgcctcgc cccttcccag tccgcgcccg tctcccgtga gcgggcggcc gttcgcgcca 240

tggacgagtg ggacgagagg agccaggaac tgtagcgga aaatatcgag gcgaaggcgt 300

acgtggattc atgggacgac cggatgcggg agacctgtgc gctgctgaag caggtgcggg 360

tgccggggcg tcgngctcg tacctcaagg actcggagaa acaggagatg tacggttgc 419

<210> 24322

<211> 268

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F11

<400> 24322

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ctgctagatc aagccaccag cgaggacggc cgacgaccag aggcagacct gcatgcattc 120

gccggctcgc catgtatgaa acaggggagt tgaaagcgcg acacaccaga gaacgtgtct 180

gtgtatactg tgcaaagggg ctaaacgcaa gagaatatgc acatatacaa agtcgcttat 240

tctgtctgca tattgaaggc caggtccg 268

<210> 24323

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D8

<400> 24323

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ggccaccgcc ccacaggtag cggaggcaaa gaagaagaga gcggcggaga gcggcgaggc 180

ggcggaggcg aagaagatcc aggacgactt ctgctcgacg ctgtgcgagg gcaagaaggg 240

gacggacctg gtcgtgtgca aggagtcctg cgcgctctcc cagcagtcca acctggtgct 300
gtacggcagg atccagtgcagg agggcaagtgc caccgagcag aagggcacatca cggcgccggc 360
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ca 422

<210> 24324
<211> 424
<212> DNA
<213> Zea mays
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<400> 24324

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gaagggcatg gagcctggtg ctggttcaag ctccgctggc tccttgaggg tgctggctac 180
catgttacat gcattgacct agccggaggc ggcgtcgatc ctactgaccc caacacaatc 240
cggtcggtcc agcagtacga caagccactc atagacctca tttcaacctt gccggagggg 300
gagaagggtga ttctaactcg acatggtgct ggagggctga gtgtgattca tgcaatgcac 360
gaatttggtg acagaatcag ccaagcattt tttgtggcag ctacaatgct accatttgga 420
tttc 424

<210> 24325
<211> 396
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-E1
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catggccaat aaggcgagg aggagaagct gcgcaaggcg ggcacatcg acatgcagtt 180
ccgaaggggt aagtgaagt acgacttcaa ggtcaccttc caccttgaaa aggggtgcgg 240
cccaactac ctggcactgt tggtaagta cgtcgacggc gacggtgaca ttgtggcagt 300

ggacgtcaag gagaaaggct ccgacacgta cgagcccctg aagcacttct ggggcgccat 360
 ctggaggaag gacagcgaca aaccgcttaa gggacc 396

<210> 24326
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E10
 <400> 24326

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 atgtgtactg aaaccatggc tctacgcctg tcacgggcaa aaccacctt ctagaatcta 180
 gattaggggtt acaacttata agtgcttcaa gtgtgtgtcg gggacctttt tggaaggagc 240
 gtgtctttgc aaggagtcga attagctcct ggtgttgatc ctgaagctct ggaagttgct 300
 aaggattgtc tggagtccat ttttagtggt aactcaacag ccactggtga cgcaatacaa 360
 ccaggactgt tgtttgagct atttgcttct ctcgaagcaa atgaaagaga ccaggcaaga 420
 gc 422

<210> 24327
 <211> 420
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E11
 <400> 24327

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 ggatttctac ccagtcttct ttaggatttc cgattcgggt ctccggtgag aggggtgggaa 180
 ttttattttc ctccgctgca accggtgcaa acatttcgaa tccctccatt ccattcctct 240
 ccgtgcaatc gaccattcat atgttccttg gctgcattga ggcacggta cgcaattttt 300
 gatgtgagct gaccagacat ggctgcgaaa gacggctcgg gatcacaaga tctggggggg 360
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<210> 24328
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E12

<400> 24328

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 tccgacacgt gcgggcgcg cgggtggctga cgtgcgaaca catggtcagg tgggatccga 180
 cacgaacgag gtgcggctct agccgacgcg cggcggggcg ggtttgggat ggacagaagg 240
 ggtccgtgac ggccggacga caagtccgcg acatcggcgg cccgccgtg acagatggat 300
 gacgaggacc atcaatcagg catcgtcatc cttgagacct agcccgtcat aggaaacaca 360
 tctgaggtgg gagcggctgc aataaaaatt cacaaaaaag ggaggatgca ataaaacata 420
 agtgag 426

<210> 24329
 <211> 417
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 24329

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 atcgcatcat cgtgctgtct gtgaacatcg gccgtcccga cgatggatca gtcgagtgtc 180
 gacgctggtc tcgccaaatc tactcacgcc gaattactgt tgatgctgcc cgacaccacg 240
 cttgttactc acctaggcgt gttcgatcta ctctggccgc tctactgctg ctncagtcag 300
 gcgctgtccc tattatcctg cggccaggcg agttcacgct tcttatggtc cagacagggtg 360
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<210> 24330
 <211> 417

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E3

 <400> 24330

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 ttggccttgt tcactcgtgc atctgaccat cagttcttaa gagtatatcc ccattggaag 180
 caaatttttag ggtttccctg gagagactct gccaaccttt tttttttgcc ctgggtgcac 240
 tgcatacaact tgttcgtttc tctctcgtaa aaaaaaagc tcactgtcgt aaacgttttc 300
 gccaatgat ccatgataga ctaacgtcgt gtagatgtca caaatcctct ccgaggtgag 360
 tcaccgctgc agatttatga acaactcgac gctccggcga ggcacccatc ttgttct 417

<210> 24331
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E4

 <400> 24331

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 ttaaccccggt gtcttcttcc tttggttgtt gttaaaggga aaaaattctt agatctgttc 180
 cggatcaagc gttccaactc gggaatcaag ggtttcacac atatatttgt ccatttgaaa 240
 attatgtact caaggggtct aaagggtgca aaaagtctag caattgtcgt tctatgatgt 300
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<210> 24332
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E5

 <400> 24332

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aacaagaacg cactcgaggg ttagcggatg cttccagtcc atctctccgt tgttctactc 120
ctgctgatag tactggtaga tcaaacaata ggatttctgg gatcgaatct acacctgtgg 180
atcaagacgg aactggacca tccgctttac aatcaatggg acagggattt cataatcaaa 240
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ctgaggtgag gagggaggtc aacgcgggga ttgctgcggt gtctcgcatg atggaatggc 360
acgatgcaag ggacgggacg ggagcggagc cttctcctac ctctgcatca agatctgggt 420
c 421

<210> 24333
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-E6
<400> 24333

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ggaggaggat gacgagcagg agatggtcac gccgcatagt ttcccatgt acgaaggaga 120
gccagctcg tccaaatcgg tcgatgcgaa tcggatgcaa catTTtTggga atgattctgg 180
gttcagcttc aagacgccat caccgtgtga acaaccaacg gtgccgcctc ttactgcagg 240
gcaaataaat gtgggaagcg atgattgtgt tgctgttcag acgccggcca aagtTcccgt 300
ggttcaatca agactggagc tagatagctc tgaggatgag gactaggatg aggatgatgg 360
accagacacg gtggaaatcc tccccttata cggccggagc caaaatttgg atcaag 416

<210> 24334
<211> 155
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-E8
<400> 24334

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aactcaccgt ctacattaca caatctatac tcaca 155

<210> 24335
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E9

<400> 24335

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tcgggtcccga atcgatttgc ctgctactcg cggtaggcga agggaaggat tcaaatcaac 180
ataacatggc cgcagccacc gccgcgctt ccaccatgtc gctgctcccg atctcccagc 240
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gatacgtcgt tccgacggcy aggtgttctg ggccggcgat cttcgagggc tcgaagctga 360
aggtgctgtt cctgggcgtg gacgacgagg ccggcagcaa gcagcacggg 410
  
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<210> 24336
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F1

<400> 24336

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gatcggcgct gtcggcgctt gcaaggtggc ggccgacgag accttcgact gcctccacag 180
gggggatgtt tcaaagcgca aggttgagca tgccctgaag aatatgtgca aggagggcgc 240
atattggggg actgttgctg gcgtctacgt gggcgtggcg tatggcgtgc agaggggccg 300
tgggcgcaat gactggaaga acgcgatggt ccgacgcgcc ttgtccggcg cgctggtctt 360
cggcgtcagc accaaccacg gagacaagat cgtcaaggac gccatcacc 409
  
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<210> 24337
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F10

<400> 24337

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ttttacaatc tgtcactacg ccggagaggt gctgtaccag tctgatcagt tccttgacaa 180
aaacaaagac tacgttgtgg cggagcacca ggaactgctg agcgcttcta aatgctcgtt 240
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cattggagct cgctttaagc aacaacttca agcccttatg gacacattga actccacaga 360
gcctcactat attagatgtg tgaagccaaa caatgtcctg aaaccagcga tctttgagaa 420
cgtc 424

<210> 24338

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D7

<400> 24338

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tccgtgtgaa gcagttgttc gagaagctcg gagcaagcta caaggccatt gagttggata 180
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acaatgatgg gaagctgggtg cctttgctga ctgaggctgg aaccatcgcc ggttctgcct 360
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<210> 24339

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-F10

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cagagacttc aattcctctc aacttactta ccagcaagaa cttcaacatc ttgaaagttg 180

ggtgaaagaa tgcaggttgg accaactacc atttgtgcca caaaatttgg catacttctt 240

attgtccgct gctggctgca tgtactcccc tgaactgtct gaagctcgca ctttgtgtgc 300

aaaaaatggg gcgctcataa ctattgttga tgacttcttt gatgttggag gatcaaaaga 360

agaacttgaa aaccttgtca tgttgggtga gctgtgggac gagcatcaca naattgagtt 420

ttactc 426

<210> 24340

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-B11

<400> 24340

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ctcctgtccg ccatgggtggc ggcggcctcc cgcgatccac gacacgaagg cgtccatggg 120

gcccgcgtcc gaccggtagt gcttctgcgt gaactcgagg aactcgcgcc acgtgaagtc 180

cgggaacgcg cggggggggc ccgctgctt gttctcctgg aggagcgcg cggcggggcg 240

gacgacgcgg tccagcggcg ggttgaggaa gaaggcgagc gaccggcggg cgccgtcgcc 300

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A9

<400> 24341

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 aagaggcgca ccatctccgc catccacgcc gccgaccgt ctaagaacaa cgggccccgc 240
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 ccggcgggcg cggtaaagtg ggcggtcgac agctggaagt cgaagaaggc actgcagctc 360
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<210> 24342

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D4

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 tacagagtgc atcggcggtt cacgtacggt gaccttcgat gatctggggc cacgtacca 360
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<210> 24343

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D6

<400> 24343

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gtcagatagt aacatggggtt actgacccaa tgcatgggaa cactattaag gccattgcg 180
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<210> 24344
<211> 437
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-K1-F6
<400> 24344

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caagactcct tgcggacgaa agactcggcc atttgactcc attctggccg aggtacgggc 420
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<210> 24345
<211> 293
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-A2
<400> 24345

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cagctaccgg taaggaccac ccatgccgcc atgcgtggca tggagccatg gccggcgcta 180

gaggagtgag ttttacacgt acgtactttg atttttttta tgtactgtat ttctgtgtac 240
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<210> 24346
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B5

<400> 24346

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<210> 24347
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E9

<400> 24347

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atggtggagc tcttgtcccc tattaccttg atgaaaaaac tgggtgggggt ttggagatct 180
ctgatcttaa gaaacaactc gaagatgctc ggtcaaaagg cattgatgtt agggccttgg 240
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456

<210> 24348

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D6

<400> 24348

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gcatcaaatt ttcctatggc ccggacactt acttcggaaa cgaggtatct gttctggaga 180
tggatgggca attcgacaga ctagatgagc tcatctacgt ggagagccat ctaagcaacc 240
tttcaaccaa gttctacgga gaggtgacac aacaaatgct aaagcatgca gacttcccag 300
gtagcaacaa cgggacaggt ctcttcaga ccatcattgg actgaagatt agagacctct 360
atgaacagat tggtgctgag agggctggtg taccagcgga agcagcaaaa gtttaacgat 420
ctat 424

<210> 24349

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F11

<400> 24349

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agcgaggggg gggcttgagc gagatggacc acgcggcgga cgcgcaccgg acggacctga 120
tgaccatcac gcggcacgtg ctgaacgagc agagccggaa ccccgagtcc cgcggtgact 180
tcaccatgct gctctccac atcggcctcg gctgcaagtt cgtcgcaccc gccgtcaaca 240
aggccaggct tgcacagatc atcgggctcg ccggctagac cgacgcgcag ggagaggagc 300
tgatgatgct ggacgttctg tccaa 325

<210> 24350

<211> 407

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C1

 <400> 24350

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 ctcgacaagc ttcgcgccga ggtcgccaag ctcgaccaga tcagcgagaa cgagaagtcc 180
 gggttcatca gcctcgtgtc acgctacctc agtggggaag cggagcagat cgagtggagc 240
 aagatccaga cccctacgga tgaggtggtg gtgccctacg ataccgtcgc gtagcctccc 300
 gaagatctcg aggagacgaa gaagctgctg gataagctcg ttgtgctcaa gcttaacgga 360
 gggctcggga cgaccatggg ctgcactggg cccaagtatg tcattga 407

<210> 24351
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G2

 <400> 24351

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 aggatcggaa ggctggtggc cagggtggcc ctgcagagcg acgacgtcga gctcgtcgcc 180
 gtgaacgacc cttcatcag caccgattac atgacctaca tgttcaagta tgacactgtg 240
 cacggacagt ggaagcacca tgaggtcaag gtgaaagact ccaagaccct tctctttggc 300
 gagaaggagg ttgctgtgtt tggctgcagg aaccctgagg agatcccatg gggtttccgt 360
 ggcgcttaat atggttgtga gtctactg 388

<210> 24352
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G3

 <400> 24352

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ggcgtggaga ctctctcatg gtaatggccc agatcaagat cgggatcaat gggttcggca 120
ggatcggaag gctggaggcc aggggtggacc tgcagagcga cgacgtcgag ctcgtcaccg 180
tgaacgaccc cttcatcagc accgattaca tgacctacat gttcaagtat gacactgtgc 240
acggacagtg gaagcaccat gaggtcaagg tgaaggactc caagaccctt ctctttgggtg 300
agaatgatgt tgctgtgttt ggctgcacga accctgagga gatcccatgg gggtttccgtg 360
gcgctgaata tgggtggtgag tctacttggtg ttttcac 397

<210> 24353
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G9

<400> 24353

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ccgtgcagag cgaggatgtc gagctcgtcg ccgtcaacga ccccttcac accacggatt 120
acatgaccta catgttcaag tacgacaccg tgcacggcca atggaagcac agcgacatca 180
ccctcaagga ctccaagacg cttctcttcg gcgagaagcc ggtcaccgtc tttggcatca 240
ggaaccccgga ggagatcccg tcgggtgagg ctgggtgctga gtatgtcgtg gagtccaccg 300
gtgtcttcac tgaca 315

<210> 24354
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H1

<400> 24354

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gcaccgtgtc tttcacgggc acgcaggaca agtgacggc gtgcgacaag accgttcact 120
tcatcgacct cctcacggac gacggcgcca tctaccataa gacatgcttc aagtgcagcc 180
actgcaaagg ggtcctctcg atgtgcagct actcctccat ggacgggtgtg ctgtactgca 240

agacccactt cgagcagctc ttcaaggaga ccgggagctt ctccaagaac ttcacgccag 300
gtggcaagtc atcagacaag ggtgaactga caagggcccc aagcaagctg tcgtctgcat 360
tttctggtac ccaagataag tgcgcagcat gccagaaaaac 400

<210> 24355
<211> 464
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-A12

<400> 24355

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tcgacctcct caccggccgac ggcgtcacct accataagac atgcttcaag tgcagccact 180
gcaaagggat cctctcgatg tgcagctact cttccatgga cgggtgtgctg tactgcaaga 240
cccacttcga gcagctcttc aaggagaccg ggagcttctc caagaacttc acgccagggtg 300
gcaagtcttc agacaagggg gaactgacaa gggccccccag caagctatca tctgcgtttt 360
ctggtactca ggataagtgt gctgcttgcc agaaaacagt gtacccgctg gagaagttaa 420
ctctggaagg cgagtcttac cacangagct gcttcaagtg ctcg 464

<210> 24356
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C5

<400> 24356

cccactcgtc cgtccactcg tccgattgtg ggcgagtgcg tgcgttcgtg cagccacaga 60
gaggcgtccg ggcaccatgt ctttcaccgg caccgaggac aagtgcacgg cgtgcgacaa 120
gaccgtccac ttcacgacc tcctcacggc cgacggcgcc atctaccata agacatgctt 180
caagtgcagc cactgcaaag gggtcctctc gatgtgcagc tactcctcca tggacgggtg 240
gctgtactgc aagacccact tcgagcagct cttcaaggag accgggagct tctccaagaa 300

cttcacgcca ggtggcaagt catcagacaa ggggtgaactg acaagggccc caagcaagct 360
gtcgtctgca ttttctggta cccaggataa gtgcgcagca tgccagataa cagtgtaccc 420
gctggagaag ttaactctgg a 441

<210> 24357
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B3

<400> 24357

cccacgcgtc cgggcttgct gagctggagc tgatggatct agggtttggg ttgcggtgat 60
ggtcctgcag cgcaggagga gctcatggcg gaagctccgg cgagccctgg cggcggcggc 120
gggagccacg agagcgggag cccagggga ggcggaggcg gtggcagcgt cagggagcag 180
gacaggttcc tgcccatcgc caacatcagt cgcacatga agaaggccat cccggctaac 240
gggaagatcg ccaaggacgc taaggagacc gtgcaggagt gcgtctccga gttcatctcc 300
ttcatcacta gcgaagcgag tgacaagtgc cagagggaga agcggaagac catcaatggc 360
gacgatctgc tgtgggccat ggccacgctg gggtttgaag actacattga acccctcaag 420
gtgtacctac ggaag 435

<210> 24358
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B8

<400> 24358

ctggagcatc ctctacgtgc tgaacgtgat ctacagcctc ctgacgggca ggctggtgcg 60
cgagaaggtc gaccggcgcg tgcagcgggt ggtccgcagc cagatgaacg cgggtggactc 120
gtcgccgttc agggagtcgc cggacctgtt cgagggtggag gccaccaacg gcatgccgcg 180
ggcgtccatc gacaagctcc ccgagtcgtg gatcaccgag gagtacaggc gcgacgccgt 240
cggcgacctc tccggctgct ccgtctgcct ccaggatttc caggtcgggg agaagggtcg 300
gagcctgccg gactgctggc acgtgttcca cgtgccgtgc attga 345

<210> 24359
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D2

<400> 24359

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cacccgtctg ccgctgtgcc gcacggccct caccgccac gagaccgctc cttgaggggc 60
acgtcctata tcgggtggctc ctgcctctcg ccgccgatac agtgcctctc gcggctctcg 120
tcccactcac aggtctattg gtttttttag ttccctacctt agcttcttgg aggtgtttgt 180
tgccgtctca cccgcagttc ttgagacatg cagagccaga tagtgtgcca cgggtgcagg 240
acccttctga tctacccaag aggtgctccg agcgtgtgtt gtgcggtatg ccatgtggtc 300
accaatgttg ccgcttcagc aatggagatg gctcgactta tatgtcgtgg cttgcagaca 360
ttattgatgc atgctcgag tgcaacaact gt 392
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<210> 24360
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B7

<400> 24360

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cctcaccgcc tacaggagat ccgccgcttc ttccaagact acaagaagaa cgagaacaag 120
gagggtggccg tcaacgactt cctgcccgcc gccgctgccc gcgaagccat ccagtactgc 180
atggacctgt acgggcagta catcatgcag accctgcggc ggtagagcgt gtcctaccag 240
atcccatgcg agctgagctg acgcaagagc acagatcgac agaatccttg tggctctagtc 300
tcatgcatgg atagccaggt cacatggctt gtcgacgacc atgcatctgt tcttcccagc 360
gattctagcc tgtatctgcc cttatttata gtctcttggg tttgggtggaa tctgtccaca 420
gtgtggcttg atctatgtac tactcttcta catttctacc agaacgaa 468
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<210> 24361
 <211> 428
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D6

<400> 24361

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gaatatctgg agcagggctg cagcgcatat acgagaagta cacatggaag atatactcag 120
agaggttgat gacactggcc ggggtctacg gtttctggaa gtacgtgtcg aagctcgaga 180
ggcgggagac gaggcgctac cttgagatgt tctacatact gaagttccgc gagctggcga 240
agaccgtgcc gcttgcaatt gaccaaccgc agtagcttgc gcaactgcga ctgcgtagca 300
cttggtacaa gactgaaacc tgaaggacct tcagtaattt aggcgcggca gacggtagcc 360
aataaaatgt gccggagctg aactggtttt tattatgtac ataatggcag tataacaaaa 420
ttactgaa 428

<210> 24362

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B9

<400> 24362

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tggcctccac agtcttcgcy aacgccttgg tgccaccttc tctcccatc ccaatgaact 120
gatagcactc ttttccaggt atgttcacca gggcaaggga atgcttcagc gccatcagct 180
gcttgcgag tttgatgcc tgtttgatag tgacaaggag aagtatgcac cctttgaaga 240
cattcttcgt gctgctcacg aagcaattgt gctccccca tgggttgac ttgctatcag 300
gccaaggcct cgtgtctggg attacattcg ggtgaatgta agtgagcttg c 351

<210> 24363

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C2

<400> 24363

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tgtctttcac cggcacgcag gacaagtga cggcgtgcga caagaccgtc cacttcacgc 120
acctctcac ggccgacggc gccatctacc ataagacatg cttcaagtgc agccactgca 180
aaggggtcct ctcgatgtgc agctactcct ccatggacgg tgtgctgtac tgcaagaccc 240
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agtcacgaga caagggtgaa ctgacaaggg cccaagcaa gctgtcgtct gcattttctg 360
gtaccagga taagtgcga gcacgccaga aaacagtgtg cccgctggag aaggtaactc 420

<210> 24364
<211> 430
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-K1-G10
<400> 24364

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tcggaagggt gaacttccca tccctgagga attgaccaag ggtacaattg aggagctatt 120
caactttggt gccatgactc taaaggaatt tgtagaaca gaagatggga acgatgaaca 180
acgagcgctt ggtttcacat tttctttccc agttagacaa acatcagtat cttcggggtc 240
attgattagg tggaataaag ggtttttgat tgaagatgcg gttgggaaag atgtggctca 300
atgcttaaata gaagctcttg ctaggaatgg actaaatgtg cgagttactg cactggtgaa 360
tgacaccgtg gggacattag ctctaggaca ttatcacgat gaggatacag tggctgctgt 420
gatcattggt 430

<210> 24365
<211> 280
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-043-Q1-K1-F11
<400> 24365

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atgttacatc tcaccgatga ataaaatgta tgtatcagac ttgtctcggt tttttgccca 120

tccaagcagc aaattagccg ctggcacagc atgcggtaat aatcttgtca cagtgcctgta 180
attgggagcg tttttcttgt tagaagtgtt tctggtttgt ttgagcattt acggatcgat 240
ttttctttct gaagagtata taaacatttt actcacctgt 280

<210> 24366

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F12

<400> 24366

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gggtgatgtt tgggttcggt ctggaattgc actgaatggg aaagcgcca tcaactgcaa 120
acctgtcgtc aagctataaa ttcaatacgg atcactgatt ggtgaataat gatctcagtc 180
gccttgagga cctttagata agaataagcg taccaccagc tacgcttact taccgaagtg 240
acggatcctc gctcgtggac tctcctgaat atccagacaa gtccgatgat actacggacc 300
atatcaactg ccagcatatt gcaatcattg tacatgta 338

<210> 24367

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E5

<400> 24367

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gaacttggtc ctgagttcaa gaaggttggg agcttccttg gtcgcttcaa gtcgatacct 180
agcattgttg agcttgacag cttgaagggt tccggtgatg ttggttcgg ttctggaatt 240
gtactgaagg ggaaagtgc catcactgca aaacctggcg tcaagctaga aatcccagac 300
ggagcagtga ttgggaataa 320

<210> 24368

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G12

<400> 24368

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ttcgcgccga ggctcgccaag ctcgaccaga tcagcgagaa cgagaagtcc gggttcatca 180
gcctcgtgtc acgctacctc agtggggaag cggagcagat cgagtggagc aagatccaga 240
cccctacgga tgaggtggtg gtgccctacg ataccgtcgc gtcgcctccc gaagatctcg 300
aggagacgaa gaagctgctg gataagctcg ttgtgctcaa gcttaacgga gggctcgga 360
cgaccatggg ctgcactggg cccaagtctg tcattgaagt ccgcaatggg ttcacattcc 420
ttgaccttat tgtgattc 438

<210> 24369

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G12

<400> 24369

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acgagaagct cgacaagctt cgcgccgagg tcgccaagct cgaccagatc agcgagaacg 180
agaagtccgg gttcatcagc ctcgtgtcac gctacctcag tggggaagcg gagcagatcg 240
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cgcctcccga agatctcgag gagacgaaga agctgctgga taagctcggt gtgctcaagc 360
ttaacggagg gctcgggacg accatggtct gcactggggc caagtctgtc attgaagtcc 420
gcaatggggtt cacattcctt gac 443

<210> 24370

<211> 440

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-A10

<400> 24370

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tatcaaacgc tttggcaatc ttgtggacaa caacaagaac ccgcagaagt acgtgcggta 180
cagcccagaa gcagtggacc aacttctagg ccagttcttc gaagggcagc aatgggcgga 240
gcaaaagcgc tgagcaacat agagtgtgag tgacggcatg agtacagcca gatgccagta 300
agttcaacag cacagatttc ttccgaagca accaccagtt ctttctcgca ctacatataa 360
tatatagtga cataaacgct tgctgtgcaa gcactaccta gttntctttt ctcagaaaaa 420
gcgcgcctaa gtttcttttc 440

<210> 24371
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H9

<400> 24371

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tggaagattt gctggcatcg ttgcacagcc agggagagca agagaagaag gaagacacgt 120
cagacaaaac agaagacgag aagaactgat gtagccatgt tcacgcctcc atgcgcacaa 180
agaaattgaa gaccggctctg cgtttactct cttggctctg gagtttggtt atcctcatat 240
aaccgtgctt tgattataac ttaccgccga gggaatttgt attatgacgc tgcaacaatc 300
ttctctccat atatgttcaa gggattttcg tgtttcaatg ctctccaaaa aaaaacaaca 360
tccttaaaga tatctaagct tacatactc aatttacaac aaaaaaagg ggcgccgctc 420
gcgatctcta agtctagatc gcgagc 446

<210> 24372
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H6

<400> 24372

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gagttcgacg ctggagcatg gattatcagc gggcaacatg gggcaagggtt acaactgtgc 180
tgcaaagtgg tactccaggc attggtggac tcccagccaa ggcaatgctg cagaaactgc 240
gaatgtttta tacatatctt gaggagatct atgcggcaca gtcagaatgg gtgatagcag 300
atgaccagct aaaggttgac attagggcag cgggtggagga gacagtgatg ccagtttacg 360

<210> 24373

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H6

<400> 24373

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gcacgcagga caagtgcacg gcgtgcgaca agaccgtcca cttcatcgac ctcttcacgg 120
ccgacggcgc catctaccat aagacatgct tcaagtgcag ccaactgcaaa ggggtcctct 180
cgatgtgcag ctactctctc atggacggtg tgctgtactg caagaccac ttcgagcagc 240
tcttcaagga gaccgggagc ttctccaaga acttcacgcc aggtggcaag tcatcagaca 300
agggtgaaact gacaagggcc ccaagcaagc tgcgtctctg attttctggt acccaggata 360
agtgcgcagc atgccagaaa acagtgtacc cgct 394

<210> 24374

<211> 473

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-G6

<400> 24374

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ggcaccatgt ctttcaccgg cacgcaggac aagtgcacgg cgtgcgacaa gaccgtccac 120

ttcatcgacc tcttcacggc cgacggcgcc atctaccata agacatgctt caagtgcagc 180
 cactgcaaag gggtcctctc gatgtgcagc tactcctcca tggacggtgt gctgtactgc 240
 aagaccact tcgagcagct cttcaaggag accgggagct tctccaagaa cttcacgcca 300
 ggtggcaagt catcagacaa ggggtgaactg acaagggccc caagcaagct gtcgtctgca 360
 ttttctggta cccaggataa gtgcgcagca tgccaganaa cagtgtaccc gctggagaag 420
 ttaactctgg aaggcgagtc ctaccacang agctgcttca agtgctcgca cgg 473

<210> 24375
 <211> 453
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-G8

<400> 24375
 gtcatgcact ggagacgttg gcactacata tacagcagct tatcatggat agtaacgggg 60
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 aacctggaac taatggccag cacagcttct atcaattaat ccatcaggga agggttatcc 180
 cttgcgactt tattggtgtt gttaaaagtc agcagcctgt ttacttgaaa ggggaaactg 240
 tgagtaatca tgatgagctt atgtccaatt tctttgcca acctgatgca cttgcttatg 300
 gaaagactcc tgaacagttg cacagtgaga aagttccaga aaatcttatt cctcataaga 360
 cttttaaggg caaccggcca tcactaagtt tgcttctgcc tacactatcc gcatatgagg 420
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<210> 24376
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E1

<400> 24376
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 agcagaggga ggctgggtct accatggagg ttgttgctgc acaacaaaa gcaattgctg 180

agaagatcaa ggactggagc aacgtagttg ttgcctatga accagtttgg gctattggaa 240
 ctggttaaagt tgccacccca gctcaggctc aggaagtgca cgcctncctg agggattggc 300
 taaagaccaa cgtcagccct gaggttgctg aatctactag gatcattta 349

<210> 24377
 <211> 304
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H11
 <400> 24377

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 ccaacccttc accctgttgc ggtgatgtgc tgaagacaga tcagactatt tttttgttta 180
 accgtgcagt gctatgtaag ctactaactt tgcgctgggtg cggatgctga tttccctccc 240
 cctagctttt tgtgaggcta ctctacagct tgattcagct tgctaataat gtttgcctct 300
 ggac 304

<210> 24378
 <211> 360
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-C3
 <400> 24378

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 acgagacgga caccagtc cagatgagcg aggcgtcgag gtcgcagatg atgatgtccg 180
 atgtccacca ccaccaccac caccagact ccgcggggcg cggcagcgaa gcgggggttct 240
 cgctgtcgtc cttctccttc aagctccagg acaagcgagg gcggatgcac cgcttcagct 300
 gtgaggttca gagcttgacg cctctggtga cctgcatnct gcggaagctc ggcgccgaca 360

<210> 24379

<211> 400
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-C4
 <400> 24379

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 ggattagtcc ttcgttgga gaaggataag tcgaaggtct tgtctgcgaa cgcttacgcg 120
 actggtactg actccaacgt tatcaacttg agcccccca accacagctt ctaaaacagc 180
 aagaaagggtt acaactaagc attgccataa gcatgggcct gggcctgtca accaaactat 240
 catcataccc aaggagact catttgccga acaacttaat tccaaaggcc cttgaaaggg 300
 caacgggacg ttcaagttga atgtcaattt gcaagtcaac acggacttaa gccagtacac 360
 aacccatggt aatggcatcg ctattttact cacgaataac 400

<210> 24380
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-C6
 <400> 24380

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 atcctcgatc gggagacgca gaggtcccgc ggcttcggct tcgtcacctt ctccacggag 120
 gaggcgatgc ggaacgccat cgagggcgatg aacggcaagg agctggacgg cgcgaacatc 180
 accgtcaacg agggccagtc ccgcccggcg cgtggaggcg gcggcgggcg cgggtacggt 240
 ggtggccgtg gagggcgcg ctacggcggt ggcggggcgcc gtgatggcg cggcggctac 300
 ggcgggtggcg gcggctacgg tgggtggcg gcgggctacg gtggtggtgg cggctgctac 360
 ggcgggtggca accgtggcg cggtacggc aactccgacg ggaactggag gaactg 416

<210> 24381
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-C7

<400> 24381

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caaacaaatt tcaaaaagtt catacaaact acatttggtg gcactactag aggagaaact 120
gcaccatgtc catgttcaag atgtcgatgc atgtcctaca aaacacaatc tcaggttcag 180
agtcacttgg ttattagagg gtttgatgag agcttcatcg aagaaggaaa ccaagcaaac 240
gattcagatg agggcaatgc tgcaacagtt gtcaatgatg atgaaacagg tgacagtggg 300
tctgtgaccg aactagtttc aacgctaata agtggtgcta tacatgaaga catcatagga 360
aatattaatg aagagccaaa tgcataagca aaggcattct ttaatctatt aacagaggca 420
aag 423

<210> 24382

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C8

<400> 24382

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tggacatagc tggtgacaac ttaagtggca agatttttac tgaggcattt gatgcggact 180
gcttccccct tacactcttc tcaagtttat ttgaacctgg atggctcttct gggagttcag 240
cagtctccat taagggcctt ttatcattgc tgggtggaagg aggcgctgac aatgtaaata 300
agtgttttct tgaagcagcg cgctttggaa gtactgaact tgtacgcatt ctgctgaagg 360
tcgcatatca aaatagcttg gctgtggaca ccgatctggc tctggtgtat g 411

<210> 24383

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C9

<400> 24383

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tgggtggtggg tgattggtgg ccagggtttg aggcgcgatg cacaacggcg gggcgccgtg 120
 ttcaccgcgc gcaagaggag agacgcgagg aaaggggcgg ctaggtcaca gtaatcttcc 180
 ggctctctct ggaaagccga aacaatcttg tttctgctta atccctatag agtgggtgctt 240
 acaattatctt atactccctt ctagtcttta tctaatagaga taaatcccct attttctctc 300
 taacaaatctt tatctcctta atcttctaata ccttatcatc ttctaatacct tatctgcatg 360
 cctatgctgt tgcccggcgc ctatagtggc ggtcgatcat aacagaagac tttaaggcaa 420
 a 421

<210> 24384
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-D10

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 tccgtggcaa tggaccgcca cgacagggag aaggagaagg cggcggtgct gctgtcctcg 180
 ctctacggcg acgtcgtcga ccgcccgcag ctctgcaagg ctttctgcaa gctcaccgag 240
 tcctgcgacg acctgtccgt cgacacgccc gacgccgtcg acatcctcgc cgtgttcgtc 300
 gcccgcgccg tcgtcgacga catgctgccg ccggcggttc tggccacgca gagcgcgcg 360
 ctgccccacg ggtgcaaggg cgccaaggtc ctccgcaggg cggagaagag ctacctgtcc 420
 gtg 423

<210> 24385
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-D11

<400> 24385
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 tggacgacga ctgcttcgtt gcccaaggacc catcaggcaa ggatatcaat gcccttgagc 120

agcacatcaa gaacctcctc agcccgtcca caccgttctt cttcaacacc ctgtacgacc 180
 cctaccgtga ggggtgctgac tttgtgctg gataccctt cagcctcagg gagggtgccc 240
 aactgctgt ctcccacggc ctgtggctga acatccctga ctatgatgca cccaccacgc 300
 tgggtcaagcc taaggagagg aacgaaaggt acgttgatgc tgtcatgaca atcctcaagg 360
 gaaccttggt ccccatgtgc ggcatgaacc ttgccttcga cagggatctc attggccctg 420
 ccatgtac 428

<210> 24386
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D12

<400> 24386
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 tgggcccgcg accgcaagcg cctggccagg tgcgccatgg gcttcggcca caggaccacc 180
 ggcgggctgg cgggcaagtt ctacgtggtg attgaccca gcgacgacgc cggcgacctc 240
 gtcaccccca ggaagggcac gctccggcac gccgtgacct gggcccgggc gctgtggatc 300
 accttcgcgc gcgacatggt gatcgagctc tgccaggagc tcatcgtgag cagcgacaag 360
 accatcgacg ggcgcgagc gcatgtgcac atcgtgggcg cgcagatcac gctgcagaac 420
 gtgcg 425

<210> 24387
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D2

<400> 24387
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 ccagttcctg cactcgatcc cacatggggc aaatttccta ctatgctata caatatccca 120
 tctgtaccta tcaccatcta ggaccatctc gcacacacct gctgacctt taaatagcta 180

gatttttact gacccatttg atacggccac catgctcctt acactcttct caacttatat 240
gaacctcgat agtcttctct aagttcacca atctccatta aggaccattt atcattgctg 300
ttggaaccaa gcactcacia tgtacatcag tgttttcttt aaccatcgcg ctttgcaagt 360
actcaacttg tacacattct tctaaaacgt ccata 395

<210> 24388
<211> 424
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-D3
<400> 24388

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ggaagaccat ggaggagaag ggcgtagagc agcttgagga gcagagggtc atcgaggcgc 120
agatcaggat gcggcggcag gagctacagg acgatgcaga gcggatgaag aacaagcagg 180
ctgcgacgta gtagcatctg cacaagttga ttcttgcagt actgacggtg catcaacagt 240
agctgcaagc agtccgcgag gcaacgatgc tctctcgtcc gaagtgcagc gttcggagtt 300
gatgttgagg aattctgaag ccttcaaaca gaggaggggc aataattttg atgtggatct 360
tgaagaagta atgcttatgg aggcaatttg gctctctgta caagatcagg aagctttggg 420
aaat 424

<210> 24389
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-D4
<400> 24389

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gatctgggca cccaggcctg ggtcaggctg ctcaacttcc gcgtcgtgga cgactggatg 120
gcgtggcatc tcggtggcca gtcagctgga ttacgatga ctgactcaaa caacatgaca 180
ttcgcgacta tcaagggcgc ctggcataca ggacctgagt acgagccgga gaggtgtttc 240
gccatgttca gccgctggat cctcaaccgg tcaacttaat ccataatgtac gtggatccat 300

cagtgaatga agagattcgt gtgtaaatct ttcttcacga aactactggc tatgagacgt 360
acgtggatgg aataaaatgc tggctatgaa cccttgacgc tgatgatata tatata 416

<210> 24390
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D5

<400> 24390

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aaacttagta cgattacatc atgtctaact tatggaacag agataacagg gatactttct 120
tttgcacaaa cacgggaaat accttctaag cgagttacct aatcgccgcg acttcgtcag 180
tcacacacac acacacacac cagataatca caatgcaaga acgaggaaaa tgaacaaaac 240
atatcgtcga atgccttgac aaata 265

<210> 24391
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D6

<400> 24391

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cgttcgatcg atcgtgccc tgctgtttgc cagacaccat catcacccaa aaccatggcc 120
tgcaacctgt ctcaagtgcg caccgcccgc gcggcaaccg tcgcgccccg caccctcgc 180
cctgctgcgt ccgcgtccgt ctctttctcc gcgaggaagc cggcgggctg cagcctgcgg 240
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cgggccgctg cgtctcagag cgcggccgac ctgtcctccg gtggcaagaa gtcttacggc 360
gtgccagtga tcgtcatgat gccgtttgac ac 392

<210> 24392
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C2

<400> 24392

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agggagctcg gaactgtcat gcgatcactg ggtcagaacc caaccgaggc tgagctccag 120
gacatgatca acgaggtcga tgcggaccgt aacggcacca tcgacttacc ggagctcctt 180
aaactaatgg cccgcacgat gaaggacacc gactccgagg aggagctcaa cgaggcgttc 240
acggtgttcc acaaggacca gaactgttcc atctctgctg cagacctacg tcacgtgatg 300
accaacctat gcgagaagct gaccgtcgac gaagtctatg agatgatccg cgaggccaac 360
gtccatggct atagccacat caactacgag gagttcgtca aggtcatgat ggccaact 418

<210> 24393

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A6

<400> 24393

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tggcgtgcct caaattttgt aaagccaatg tgcttctccg ttgtatttct actcgtccta 120
ttttcccatg gaaaactcac gggaaacttt atctagctta gctctagttt ggaaactcaa 180
atcccttcgt ggatggaagg ggtttgaggg acaaattagt ttattttcat cttaatccct 240
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ggcaatgaaa gatgatggcc tgtgaactag gtgaagattt actgcattgg tggtgataag 360
tgatagcctg accctgatga gtatagtaat tcgacgatgt aatgtgcata agtaac 416

<210> 24394

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A7

<400> 24394

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gagcggccttg cgacggacct cgtttgcgcg caagcgacac caataccaaa ttcaacgtct 120
gcgtcaggca catgcgggcg cggccggcat gcacgcagtg cactatgtgc cgactcgcg 180
gtgaggggacg gcgctgctgg cgcggtctct agtggtggcg ctagccatac cttgcggggg 240
caggtagatc cattctacta acaaacaaaa tcataccaca caatttggtt gcgtagagga 300
atcggagcct gtcgcataag acagttcggc ta 332

<210> 24395
<211> 198
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A8

<400> 24395

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aagatttata ctatatcgaa aaacctaaaa atccatacaa ataacactta tatctacttc 120
taactttata ttcatacata tatatcattt tttaatattt atttattata ttatttaatt 180
tactctttaa taattttt 198

<210> 24396
<211> 177
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A9

<400> 24396

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ttcctccaaa tgctgttcta cttccaacaa ggcaacaaca atctgatcct gactacaaac 120
aaaaccctaaa taaaaacaca cttaaccctaa taatccgatc ccacagaaac ttttctt 177

<210> 24397
<211> 173
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B1

<400> 24397

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ggagaggtct atcttccaaa gagccccgga gcactccctc gacttcagat gtctattctc 120
aaaaccgctc taactacccc agtcagtgag ccctttataa tgcgccaac cag 173

<210> 24398
<211> 424
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-B10
<400> 24398

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cacggtcggg gacggcgccg tcggcaagac ctgcatgctc atctcctaca ccttcaacac 180
cttccccacc gactatgttc cgacagtgtt tgataacttc agtgccaacg ttgtggttga 240
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gagaccactg agctatcgtg gagctgatgt ttttcttctg gctttctcac tgatcagtaa 360
ggccagctat gagaatgttt cgaagaaatg gatacctgaa ctgaagcatt atgcacctgg 420
tgtg 424

<210> 24399
<211> 177
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-B11
<400> 24399

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acgtacgcgt gctgtacgat gtagcaagtc atgcgcctgc ctactacaa tgaaggacct 120
ccctgataaa cagcgcctcac tcctttccgg cagtatcatg atctctgatg aggctgc 177

<210> 24400
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B12

<400> 24400

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ccactccctg ggcgtcatcc accgcgacct caagcccgag aacttcctcc tcctcaacaa 180
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gaactatggc cccgaggcgg acatctggag catcggcgtc atcgtctaca tcctcctctg 360
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acaggg 426

<210> 24401

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B2

<400> 24401

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acaagtgtgc tcaattgtct aggtaattac ctatgcctat ctaattcaat ttaagccact 180
gttatacctc tcaacttaaca taacactgct ttcacacttg actttactgg tttaggacta 240
tccggccatg attatgacag cttgaattgg catgagaaag aatacctcaa atgtgcattg 300
tcattgtcttc cggacaataa acacgtttac actat 335

<210> 24402

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B3

<400> 24402

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agagctcgct ctcggagaaa aaaacgcggg aggcgataat ggagggaggt gccggtgcga 120
gcgagaaagg gaaggtgctg gtcacggggg cgtcgggctt cgtcgggtcc tggctcgtca 180
tgaagctcct ccaggccggc tacaccgtcc gggcgaccgt gcgcgatccc gcgaacgttg 240
ggaagacgaa gccattgatg gaccttcccc gagcaacgga gcgcctgtcc atatggaaa 300
ccgacctgtc ggaggaaggc agcttccacg acgccatcag gggct 345

<210> 24403

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B4

<400> 24403

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ctacggcccc caccgtcgtc gacgaggcgt gcaagcagta caccaagtac ccggagctgt 180
gcgtaagtc cctgtcgtcc gcggcgccgg aggcgaatgc gaatgctgag cggggcgggc 240
tggcggggct ggccgggctg gcgctggcgc aagcggcgca gtgcggtgcc gagacgggtg 300
cgttcgtcaa gggcctggag aaaatgccgg ggggcatgcc gaccgtgtgc ctgaacgagt 360
gcgtgtccaa gttccagggc gcgctggtcg acctgcatcg ggccaagggtg gctgtgc 417

<210> 24404

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B5

<400> 24404

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tgcagggtgt ggccggcgatg gcactagcat ttctggtagg cgggtgcctgg tgtggtcctc 120
ccaagggtcc cccgggtaag aacatcacag ccaactatgg tagtgattgg ctagatgcc 180
aggcaacatg gtatggcaag ccaacagggt ccggccccga cgacaatggt ggccgatgtg 240
ggtacaagga cgtgaacaag gcccctttca acagcatggg cgcatgtggc aacgtcccca 300

tcttcaagga tggctctaggt tgtggatcct gcttcgagat caagtgcgac aagccagcgg 360
 agtgctctgg caagcccgtg gtggtgtaca ttacagacat gaactacgag cccattgcgg 420
 cgtaccac 428

<210> 24405
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B6
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 gacgcacaac tgccgggacg acacttgccg gggggcgggc atgccggacg gccgctgcc 180
 ctgggagttc cccaacctgg tgccttctg ccagtgcctg cgccccaact gccactagtt 240
 cgggcgctc ggattggctc acttcgccg cgatgatgga tggtgcccaa ctgcgactgc 300
 ccagtctgct ccattcgttg ttgtttaagg cataatatct aaactgccaa attcacatgt 360
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<210> 24406
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B7
 <400> 24406

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 gaggagagtg gagagccgcc ggcgagcagc aatgccttac tgcgaggtgg gcaggtacgc 180
 ggacggcgac aagtgggagg gcgtccgcct cttctaccgc cgctacggca gcggcgccac 240
 caaggtgctc ctgcgtcatc gattggcggg gacgcacgac tcgtggggcc cgagataaa 300
 ggggctgacc gggtcgctgg agccctccga cgacgaggcc ctgcggccgg acgaggaggc 360
 cggcgtcggc gcggcggagg ccgcgccggc ggaagcggac gac 403

<210> 24407
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B8

<400> 24407

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caaagagcat ttaccaaaca tattgcgaca agctctaatt tgcaaaacac ctggatttgg 120
aatgttttca tttgctcatg tttcacttat tctagctcct gatagaagta aactgtctag 180
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cacaatataa agaaatgggc tatcagcctc aggcaatgga gatttattta gcactactgg 360
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t 421
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<210> 24408
 <211> 265
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C1

<400> 24408

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acctcttctt gttcgcaccc cttctcacta cgactaccct accaagcgct caacctggtc 180
gcaacttctc cacactctct cggcgctgct atgacctgtt cttctgtct gcataacgtg 240
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<210> 24409
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C10

<400> 24409

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ataaggctgg gacttgctct taatttttca gtgttctatt atgagattct gaactcccca 180
gacaaagctt gcaacctggc aaagcaggcg tttgatgaag ctatctctga gttagacagc 240
cttggtgagg agtcatacaa ggatagcact ctgatcatgc aactcctgag ggataacttg 300
accctttgga catccgacct cacggaggat ggtgctgatg agggcaaaga tgccccgaaa 360
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<210> 24410

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C11

<400> 24410

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ggctcttgca gaagttggac ccaatgttgt ctggtggatt gctgcacaga gcgtgttcta 120
ccacttatat aaccagggtg cctacatgtc tctcgatcag atttctccat tgacattcag 180
cattggcaat acaatgaagc gtatatcagt gattgtttca tcaatcatta tcttccacac 240
tctgtccgc gctgtcaatg cactgggagc tgccattgcc atccttggca cattcctgta 300
ctctcaggca aagggtgtgag gcgggccatg atgactaacg tctgcagaat cagtagcaag 360
cactaaatcc aattttgctt gttccagtgg catgtaaata tcgggtt 407

<210> 24411

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-G8

<400> 24411

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caacttctga tgtgaaatct gtgctgccaa agttctcaca gatcaatttg cttcacaatg 120

acctgggcct gcctgatgat gataagtcag cggggacttc tattgcaaat tgatctttca 180
tatcaaggcg ctccgtttga cccgagttag tgggttatgg tgtacatact agttgcaccc 240
agaagtagaa gtgtggcttg gaaggtcaaa gcagcggaag caactgtccc atttccgttt 300
gccggaccag ttaactgttt ctggtggtta tctgactnt gaaatcccct gttcagctcc 360
ttttgggccg aatagttagg gatttctggt ggggggtgtc atgagttttt acatctagtt 420
cgctctttaa gactgagttg tactt 445

<210> 24412

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G9

<400> 24412

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gtggagcagg gacatgtacg cgttcatgga gccgtacgtc agcaagaacc ctaggcaggc 180
gtacgccaac tacagggacc tcgaccttgg cgtcaacgag gtggtcggcg acgtcttcac 240
ctacgacagc ggcagggtct ggggcgagaa gtactacaat ggcaacttcg ataggctcgc 300
caggaccaag gccaaaggtg acccctgcga ctacttcaag aacgagcaga gcatcccgac 360
attgctcaag tgatcgatga taccggggcc catacagatc ctt 403

<210> 24413

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H10

<400> 24413

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atggccgtgc tgtgggttcgt cggcttcggc atcgtgatgc tcgtcatctc ctgctgctgc 120
tgctgcttct gccggggcaa gaacgacgcc tactcgccgg ggtgctacct cagctccctg 180
gtgctcctca tcatcttcac catggccaca atcgccgggt gcctgatctt gcacggcggc 240

agcgacctgt tccacgggag caccatcagg accgtcgagt acgtcttcgg gcagggcaac 300
 ctgacggtgg accacctgag gaacttcgcc gacagcttgg cggcggcgaa ggacatcacg 360
 atcaaccaga tcttactccc ggccgatgtc cagcagaaga tcgacgtcat cgaggagaag 420
 ctcaac 426

<210> 24414
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H11

<400> 24414

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 ggacgtgata ctggacggca ccctgtcgtg ggagccgttc gtgcggcaga ccatcgcat 180
 ggcgcggtcc gtgcaccggc agcgtaccg catgggggtc ggctacaagg tcgcgcccga 240
 cggcacgacc acggagaagt actggtagcc cgtagaggag gactgctagc agcaggcagg 300
 aagggc 306

<210> 24415
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H2

<400> 24415

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 cgatgattat caagttcctg aagctaatat agaggaagac gtgaacaaat ctcatcatga 180
 tatcaagcgc acagatgagc ctacagaaaa aattgattta tcttgTTTTT tgagtattct 240
 tcatcgtgat cccgaggaga aaagtcgcaa ttgttggaac gtacctgata gcaagatctt 300
 caaagttcgt agcaaaaaact tcccacaaga caaatcaaag atacctgcag caagttatct 360
 catggagctt gcagccattg actg 384

<210> 24416
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H3

<400> 24416

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agaactgaac atattggctg aagatacaga cagaagccaa gtagaattga agggaggagt 120
cttagatddd atggcaggtc catcagacaa caagcaaatt gtaccttatg gcactatgtc 180
taatgatgaa tcaagtgtta tttttggtgc cttacatagg cttcgctgtg cccgctcaga 240
tatcttaaga tggctgagat caccgatcat gcacactacg ttagatggct tttttgtccg 300
actgcgattdt ggtaaattggg aggaagcatt ggggtggcaca ggataccatg gttgccgcct 360
gaatggagca cttgat 376

<210> 24417
<211> 168
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H4

<400> 24417

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tttgtcttta cttttcttca tacctgtctc tctctctcgg ttgtttaatt tttcttcatg 120
catgtaatat aatgtgatat acccaatata tacaacgcgc ttttaattc 168

<210> 24418
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H5

<400> 24418

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tcgcaagact aaagaaacca aggttggcat actgcaggtg gcacctgaag ttgctcaatg 120

gcttgaagg gaactaggtt acaagagtta tgacattgaa gataatacta atttgctgta 180
ctggcctctt gtgaatgtct attttgggtgc tgcttatgca aaatggctct tctcttgtga 240
tgacagacaa agaactgaag aatttgttgt tagagcatat aaaggcggca aaaagaaggc 300
tgctcacaaa tcaacttgcc ccattctcca gcgttatctt tatgtgaaag agaacctgtt 360
gtctataaga caaccagaaa ttgcatga cctcgctcct gatcaagaaa aactggcaag 420
cgcagaatca cagttgatat attg 444

<210> 24419

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H6

<400> 24419

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ctgcgcgaca atatccaggg catcaccaag ccggcgatcc ggaggctggc taggaggggc 180
ggcgtcaagc gcatctccgg gctcatctac gaggagaccc gcggtgtgct caagatcttt 240
ctggagaacg tcattcgtga cgccgtcacc tacaccgagc acgtcggcg caagaccgtc 300
accgccatgg atgtcgtcta cgcgctcaag cgacagggcc gtaccctcta cggcttcggc 360
ggctaggtcg cttt 374

<210> 24420

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H8

<400> 24420

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attgaagtca ataagattcc ccattctaca attgacgagg taggtttctg gatttaatca 120
aaaccacttt tttagagaaa acatttttgt aggcctcatat tgttctcatg ctgcgtaatt 180
tttggaaattg gtccgaagtc caaacataaa caaacctaataaaaagtata tccatgaatt 240

tgaggtattg aataaaataa tacgcttggt cttgcacaag aatgccataa tgtttcttat 300
 cttattgtaa tgaaaagctc ggtttgatat tattgagctg ttcaagtttt ttgaaaggaa 360
 ca 362

<210> 24421
 <211> 254
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H9

<400> 24421

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 attcttttct tatcattaac cattatataa tgtatttaca cccaaattca actcattact 180
 caataaagta tcttatcatc caataataac tataccacac attgaatata atcatgtcac 240
 tgctgtaca attc 254

<210> 24422
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A11

<400> 24422

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 gaagccggtg ctcaaggagc ggttcaagca gttcaacgcc gccatggacg agatccaccg 180
 gacgcagggc gcatgggtcg tcagcgacga gcagctgcag tcggagctgc gcgtctccat 240
 cgccgccgtc gtctgtccgg cctaccgctc ctctctcggc cgcttcgcgc agcacttcag 300
 cgccgggaga cagacggaga agtacgtcaa gctcagcgct gaggacgtgg agaccatcat 360
 cgacgagctc ttcgacggca acgccacg 388

<210> 24423
 <211> 390

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A2

 <400> 24423

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 ggggtgctgc ccgtgcggat ctacatcttc gacgtggccg gctgcggcgt ggaatacgac 120
 gtggaggagc aatgcagcgg cggcgcgggc ggcgagtgcg tgcacgttaa gacggccact 180
 caagcgctgc cactgggagg cgacttggtg ttccggcgtgg cgcaccagca cgcgggcagc 240
 gccagcgctg cgctgcacag cgacaacagc cgctgctgt gctagtccgc ggccacatac 300
 gggggcggtc aataggccat ggacaaagct gtctacatcg tcagcatgtc cacgtgctac 360
 ccgcgctccc acgccatcac agtgctcgac 390

<210> 24424
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A3

 <400> 24424

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 gctcttctgc atcgtgcatg tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgtcc 120
 gggcctgggtg ggttcttcga catcaccaag ttgggcgcct ccggcaatgg caagacagac 180
 agcacgaagg ctgtgcagga ggcatgggca tcggcgtgcg gcggcactgg gaagcagaca 240
 atcctcatat ccaagggcga cttccttgct ggacaactca acttcacagg cccttgcaag 300
 ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct aagccagtac 360
 aaggaacatg ggaattggat cgagattcta cgcgtggata acctggatcat caccggcaag 420
 ggaaaccttg a 431

<210> 24425
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A4

<400> 24425

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ataaggctgg gacttgctct taatctttca gagctctatt atgagactct gaactcccca 180
gacaaagctt gcaacctggc aaagcaggcg ttgatgaag ctatctctga gttacacagc 240
cctggagagg agtcatacaa ggatagcact ctgatcatgc aactactgag ggataacttg 300
accctttgga catccgacct cacggaggat agtgctgac agggcaaaga tgccccgaaa 360
ggcgatgcat gctacggaca gttat 385

<210> 24426

<211> 283

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F11

<400> 24426

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gatcggtccc ttaagtcggg acctatcac caaaggagg accggtgccc catttccaac 180
ctacagaatg tgtaaataca ccttgaactt acatgtattt cacttgcgcc ccaatgctag 240
tacttatact acacctgtca tgcatttca caaacattga cta 283

<210> 24427

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F2

<400> 24427

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ggcgggccag cggccgggtt ttgggggtgg tggctgctgc tgcggctctg gccgttttgg 180
ttgctgcctg acttgagtag cgatggtttg aaggcattcg tcatttggaa cgactgttct 240

gcttatgtat gtgtctgtat ttaaattcat catttaatgg tgatttttgt tcatgctta 300
 ggctatcgaa ccctaaattt ctactctaaa aggaatattt catcttggtc 350

<210> 24428
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F3

<400> 24428

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 agctccgcca tcgcgccctg cctctctac gcccgccgca cggggtcggc cccctccgcg 180
 tcctgtgtga gcggcgtcag gaacctcaag agcgccgcca gcaccgccg cgacaggcgc 240
 gccgcctgca actgcctcaa gaacgccgcc agggggcgtc gcggcctcaa cgccggcaac 300
 gccggcagca tccccctcaa gtgcggcgtc agcattccct acaccatcag caccttcacc 360
 gac 363

<210> 24429
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F5

<400> 24429

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 taaaaaaaaa aaacaataac tataatacaa acgaagaaca aaataacaaa acaatacaaa 180
 tactgtgtga acggagataa ggaacctaaa gagcgccgtc agcaccgtcg ccgacaggcg 240
 caccgcctgc aactggctca agaacgccga cagaggcgtc aacggtctta acgcctgtaa 300

<210> 24430
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F6

<400> 24430

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cgtcctccgt cctgatgttc agggaggcgc ccgcgttccg gaacggcccc gactgcggcg 180
cggacggccg ggtggacatc gccatgacgc tggacgccaa ctacctcgc ggcaccatgg 240
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tcaccgccga cgccgacgc gacggccacg gcctctcgc cgcgctgcgc gcctcgtttc 360
cgttccttga ccttcgggtg taccgcttcg acccgtcgcg cg 402

<210> 24431

<211> 346

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F7

<400> 24431

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aggggtgctgc tggcatcggg ggccacgacc tcggacgccg gcatcacctg cagtcagggtg 120
agcttcgcc a tcgcgactg cctctcctac gcccgggca cagagtccgg cccctgcgaa 180
tactgctgta gcggcgctcag gaacctcatg agcgccgaca gcaccgtcgc cgactggcgc 240
accgcctgca actgcctcaa gaacgccctc aggggcctaa gcggcctcaa cgacggcaac 300
ggcggcagca ttccgttcaa gtgcatgttc agcatccctc tcacca 346

<210> 24432

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F8

<400> 24432

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ccatccgtcg tcgccaaccg tagcaagaac atcaccaccg ccagcaata atggcgcaga 120

gcatgaggat tgtggcgctg gccctggtgg ccctgctggt ggtggcgggc gcggcgccc 180
 tggccaccgc gtacggctgc tacgacgact gctacgagcg ctgcgccaac ggcaagaaag 240
 accccgcctg caccaagatg tgcaaccagg cgtgcggctc cacggatcag ggcgccggtg 300
 ccgccggcgc cgcgccggct tgatcgccca ggcattcat cgcttcagct cgatataatc 360
 gctgctccgt cagcaacca catatgattc gatcaatatt ctcctctaa tttctcgacc 420
 ccgtcgaatt ttttctctt ctattcttct actatactac tgctatatgg gt 472

<210> 24433
 <211> 75
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G1

<400> 24433
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 gaacaaaaaa caaaa 75

<210> 24434
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G10

<400> 24434
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 tactccgctc cgctgaagaa cgacctcccc gctgacagcg ttggcgggcc ttgtagcgag 180
 gagggggtgc ggatgcgccg cgactgttcg cgggatgagc ttatgcggca gcagctccct 240
 cgcacaggt gcgaagaggc cgttcgagta cgggagaacg catgttgtga ggcccaaggg 300
 ctcgcacaag gccaccattg tctggctcca tggacttggg gacaatggag ccagctggtc 360
 tcaactactg gaaactactt acccttctaa tattaaatgg at 402

<210> 24435
 <211> 361

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G11

 <400> 24435

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 gagatggctg atatgacaac ttactatcaa tgtgctgtta ttgatgaaat tcacatggtt 120
 ggctgctaata gacgggggtta ttcgctcaca catgcacttg tgggacttcg ttcatatgaa 180
 cttcatgact gaggtgacca cacctgatcg acctcttata cagcaaattc tcgaagctac 240
 tgggtgatgta gataccgata aatattatga gagactatct actgtggatc ctctgaacat 300
 ctcactaggg tgtttctgta acatcacagc atgagattgc ttattatgat tctcaatacg 360
 t 361

<210> 24436
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G12

 <400> 24436

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 atggaccac cctccgtgag ccccgatcgc tggggggcca gtcagggcgc tggcgctcggg 180
 ccctccggcc tccgcgata tggcctcaat ttctccgcct ccagcctcct ccaggccccc 240
 atcgcgggcc tccttgagta ctccggcgta gtccagtccg gccctgccct gccggcgcac 300
 caccgtccg cggggcccta gtcgcccgtt tcggcgtcgg aggtcgatgg tcttctctcc 360
 g 361

<210> 24437
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G2

 <400> 24437

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 accgcaagga ggcctgtcga ctgagggctg aggtccttgg tctgaaggca gaggcagacc 180
 accgtgagga ggtgctacgg tgggcgcagg agggcctcca agcggtgacg gaggaacgta 240
 actccctcgc caagtccttg gaggacgact ggtcctcggg tcaagccctg gccgccc aaa 300
 tagaaggctct tgagaagagt ctggagggca tggcttggac cgtggagcaa catggggccg 360
 aagcgggtggc aaacctcttt caagacctcg atgtgggggg ca 402

<210> 24438
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G3

<400> 24438

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 actttcccag ggaggggtta attgcctccg cgggcctcgc tctcgcgtcg cgtccttcgg 180
 atgccgcact gaccgccacc aagtcacgca gtcagccgc gcggcgcgat gggcgagagg 240
 aggaggcgtg cgagcactgc ttccctcggg ggtggaggtg gaggcggagc tggaggtagc 300
 ggtgttgcgc ccgcgcggaa cgaggaggac a 331

<210> 24439
 <211> 118
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G4

<400> 24439

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 aatactctcc tttactgccg ctgccgctca ctttcccatg gaagagttaa ttgcctcc 118

<210> 24440
 <211> 351

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-G5
 <400> 24440
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 agcgacgccg cggcctcgat cagagtcgga ggcgaacacc ctcatggcgg cggttggcgg 120
 cggcgcaaga gggaaggtat ccttcaagat catcctcacc tgcgaccca agtcccttt 180
 caaagtgttc agcgtgcccc aggcggcgcc ctttaccgcg gtgctcaagt acgccgcgga 240
 ggagttcaag gtcccgctcc ataccagctc catcatcacc aacgattgaa ttggcatcaa 300
 cccccagcaa agtgcattga acgtgtttct gaaacatgga tcggagctgc g 351

<210> 24441
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F10
 <400> 24441
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 gttcgggatg agtgctttca gccacacatt gacgatagaa gtggaattaa tgattcacia 120
 tgttgcatat aattgtggtt ctgatttcag tcgttttagac ttcagtgggt tctatgcatt 180
 tatcctggaa cgggggtgatg aagtaatagc tgcagcatct gtaaggattc atggaactga 240
 tttagcagaa atgccattca taggcacaag atgcatgtat aggcaccaag ggatgtgtcg 300
 tcgactactg aatggaattg aatcggccct cggttccctc agtgttcaga aactagtagt 360
 atctgctgtg actgaaatgg agaatacttg gacaacttgt tttggtttta 410

<210> 24442
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-D3
 <400> 24442
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cgtagcgag gcgatcggag catcccgcc caagaggaga aactccggcc ggcgacgcg 120
gggaaaatgg ggaagacgcc ggtgcggatg aaggcgggtg tgtacgcgct gtcgcccttc 180
cagcagaagg tgatgccggg gctgtggaag gacatcacca ccaagatcca ccacaaggtc 240
accgagaact ggatctccgc cacgtcctc ctcacccccg tcgtcggcac ctaccaatac 300
gccatgtggt acaaagagca tgagaagctt ttccacagat actaaatggg atgtccttca 360
agttgctgcg gggtgtcgca 380

<210> 24443
<211> 369
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-D4
<400> 24443

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gccggcctct cggcgcgcac cgcggcgcag ctgccgctgg cgggcccggg cggcggcgcc 120
ctgaagccgg acttctatag ccagtcgtgc ccgcgcgcgg agcggatcat tgcggagggtg 180
atgcagacga agcagatggc gaacccgacg acggcccggg gcctgctccg cgtcttcttc 240
cacgactgct tcgtcagcgg gtgcgacgcg tcggtgctga tcgcgtccac ccagttccag 300
aagtcggagc acgactcgga gatcaaccac tcccttcccg gggacgcctt tgacgccgtg 360
gtgcgcgcc 369

<210> 24444
<211> 331
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-D5
<400> 24444

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gccgcatccg ccatgggggc gtacaagtat gtctcggagt tatggaggag gaagcaatcc 120
gacgtgatgc ggttcgtgca gcgcgtgcgc tgctgggagt acaggcagca gccggccatc 180
gtccgcctca caaggccac ccgccccgac aaggcccgcg gactaggcta caaggccaag 240

caaggggtatg ttgtttaccg tgtccgtgtc aagcgtggcg gcaggaagag gcctgtgcct 300
aaggggtattg gctatggcaa gccaagcac c 331

<210> 24445
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D6

<400> 24445

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taaggaggta ccaacaagct ttggatttga tactgcttgc aagatatact ccgaaatgat 120
tggcaatggt atgactgatg caagatccac aggaaaatac taccactttg tgaggcttat 180
gggtcgtgct gcttctcaca ttacattgga atgcgctttg caaacacacc ccaatgctgc 240
actcattggg gaagagggtg ctgcgaagaa agaaaccctt aagaatgtca caaactacat 300
tactgatatc atctgcaagc gtgcagatct tggttacaac tatggtgtta tccttatacc 360
agaaagcctg attgatttca taccagaagt tcaaaaactc atcgcggaat tgaatgaaat 420
tttagcacat gatgttgttg 440

<210> 24446
<211> 340
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D7

<400> 24446

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gctatcatgc agatcaccat caattagggt gggtgagggt aagatgcat cctcaaagcg 120
ttgcaagtac agtgagccag ctggagggtt gtggtcctct tcaaataacg ttgctttgca 180
ggatatcgag ggatcgagca gtcagcacat acctcatgaa tatggcgatg gcatccagcc 240
aagtgttgtg caaacgtac aataagtgc acatggaaca attctagata acattccgga 300
aaacaacagt actgatgaac acactagaga aaattctggg 340

<210> 24447
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D8

<400> 24447

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cccacgcgtc cgcttcgcc caagcacctc gtgtcgctca tcggctgctg cgaggacgag 60
ggcgagatgg tctctgtgta cgactacatg ggcgcaggca cgctgcggga gcacctgtac 120
aagagcggga agccggcgct gacgtggcgg cagcgccttg agatcaccat cggcgccgcg 180
cggggcctgc actacctgca caccggcgcc aagtacacca ttattcaccg ggacgtgaag 240
acgaccaaga tactggtgga cgagaactga gtggctaagg ttgcgactt tgacttgtcc 300
aagaccg 307
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<210> 24448
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E1

<400> 24448

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ggagaagatg acccagatca tgttcgagac cttcaacacc cccgctatgt acgtcgccgg 60
gcaggccgtg ctctctctgt atgccagtgg ccgtaccaca ggtatcgtgc tcgactcggg 120
agatggtgtg agccacaccg tccccatcta cgaggggatac gccctcccc acgccatcct 180
tcgtcttgac ctggccggtc gcgacctcac cgactacctg atgaagatcc tgactgagcg 240
cggctactgc ttcaccacca ccgctgaacg ggaaatcgtg agggacatta aggagaatct 300
cgctaca 308
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<210> 24449
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E10

<400> 24449

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caactttctg agagtatgct gtgacgatag tggctaggct gatgctgctg ccgaggctgc 60
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tgcataatgtt ggcaccacaa catctcgggg tggccttggt tatggggaga ctgatgcttt 120
 ggaggcattg gtggttgagg cagccaagag gattgatcga catttgagga atctgtttga 180
 atgccttcgc caatcctgat tttatttgac tcttggtcga cgtgtcactg tgccagcgcg 240
 atcaatatta gtagttcctc ttcattctcg gcaaattgat gcttctgttt ggggtgatga 300
 tgctgaccat tataatcctc atcgggttct taaaaggac attgatcttg gagaaatatt 360
 aggagcacct aaaggatcaa ctacgataaa tattttcagt ggggtgacca agggcgaatc 420
 a 421

<210> 24450
 <211> 382
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-E11

<400> 24450
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 agctgaagaa cgaccgcgcg acgtcgggcg cgctccacga ctgcaaggag atgctggggg 120
 acgccatcga cgagctcaag tcgtccttcg acaagctggg cggcttcgag atgaccaact 180
 tcaacaaggc cgtggacgac ctcaagacgt ggctcagcgc cgcgctcacg taccaggaca 240
 cctgcctgga cggcttcgcg aacgccacca ccaccgaggc ctccgccaag atgcagaagg 300
 cgctcaacgc gtcgcaggag ctgacggagg acatcctggc ggggggtggac cagttctncg 360
 acacgctggg agggctcagc at 382

<210> 24451
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E12

<400> 24451
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 ccgctggggc ttcttccacg tgggtcaaaa cgactacacg cactgggtca tgtacgccat 120

cgggcggcagc aaggccccca ccattcatcag ccagggcaac cgctacatcg cgccgccccaa 180
ccttgccgcg aagcagggtca ccaagcagca tgacacgccg gaggccgtgt ggaagaactg 240
ggtgtggcac tccgagaacg acctcttcat ggagggcgcc tacttcaccg tcaccggcgg 300
ccagatcaac agacagttca acaagaagga cctcatcaag ccaggaacg ggtcctacgt 360
caccaggctc acgcgctacg ccggcttctt cg 392

<210> 24452

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E2

<400> 24452

gaggattgct accatcctat atcatatcat acatatacac aaggaggagg agaagggtgtg 60
tagcgagggtt gaggtccgga ggatgccttc cagtgccatg agttccgggc tggagccggt 120
gctctgcgcg cctcggccgc gcaggggtcca gcagctgcac ccctgcagcg ccgacctcat 180
ccttggcgca ccgcccttcc cgcgcaacgc caacagcaag gccagcggca gcagcagcag 240
ggaaggaggc aggaagacga ccaggccggc ggcggaggac gaggacgagg acgaggactg 300
ccgctgggcg gcgttcggcg ggtcgccgcc ggcgcgcgcg gacaaccc 348

<210> 24453

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E4

<400> 24453

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cgccgtcatc ttatccgtcc tcttctgtgc cgcgggtggc accgccgtcg acaacgacct 120
ccccgactac gtcattcagg gccgcgtcta ctgcgacacc tgccgcgccg ggttcgtgac 180
caatgtcacc gagtacatcg cgggcgcccc ggtgaggctg gagtgaagc acttcggcac 240
cggcaagctc gagcgtcca tcgacggggt gaccgacgcg aacggcacgt acacgatcga 300
gctcaaggac agccacgagg aggacatctg cgagggtggtc ttggtggaga gcccgcgcaa 360

ggactgcgac caggtgcatg cggacagggga ccgcg

396

<210> 24454

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E7

<400> 24454

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ggcacgtaag ggctcgattt ggcccatgac ctttgggctc aaatgctgcg cggtcgaaat 180

gatacacgcc ggcgcgttca gctacgactt ccaccgggtc ggagtcattt tacggccctc 240

<210> 24455

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E8

<400> 24455

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gcaactccaag gcgcagttct accgcaactg catcatctcc ggcaccgtgg acttcatctt 120

cggcgacgcg gcggcggtgt tccagaactg catcctggtg ctgcgccgcc cgatggacaa 180

ccagcagaac atcgcgaccg cgcagggccg cgcggacgcg cgcgaggcca cggggttcgt 240

gctccagaag tgcgagttcc aggccgaggc cgcgctccgg gactgcgggc gcccgcccat 300

ccgcaactac ctgggcccgc cgtggcgcca gtgctcgcgc accatcgtca tggagtcgga 360

gctcccggaa cttatcgaca aggcggggta cttgccctgg aac 403

<210> 24456

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E9

<400> 24456

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 gcatgtcctg cagtagccca gaatactcat attgatgtta gtgagatcaa gtccaagatt 120
 ttttaagagga taggacatga acgaggaaat aaatactttc agcacctgga aaggttctta 180
 tcttcaagat tgagcaagaa tgaattcgag aagctctgtc ttgtggcact tggccgtgaa 240
 aacctcccat tgcacaacca ctttatctgt tccattctac ataatgccag tcgagcttgt 300
 ggccacctg taattaatga ccctaagctg gtcagaggtg ccaccacttc tggccatgca 360
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<210> 24457

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F1

<400> 24457

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 acaaattggga ggatcagaag acgacgacga caacgacgga gcccctcctt gcggggggtcg 180
 tcggcaatgg caatgccaat tagtttactg gatggacatc attctcccag acggcttcac 240
 cagcgtcacc gtcaggatat ggacctgca aagtgtttct ccggagtgtt taagttttct 300
 ttcccgatc aaaatttgcg aaacagagaa ggaagggttt tttttttgaa aacagaactg 360
 acgtctatct tttagtgta agaaattcga gcatacatgt ggattttttt taaaaaaaaa 420
 aaaata 426

<210> 24458

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D2

<400> 24458

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acctaaattc actacactgt ccttcattct acatcc

156

<210> 24459

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B6

<400> 24459

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tatctgatgc tcaaagtaga tgctccgtgt gtcttccgct gctgttccgc aaggaaactg 120
actccccga cgcgcgtcgt gatgctgcc gctcatgctc ctagacggga atgactgccg 180
cagaatgacg aatagggctg gtgtgtgta cagtatggc cttttccct cttttccatt 240
aagctctgtg atgtagctgt ccgtgctgtt gattcatgag atcatgctag agatttttcc 300
tggcagtgcg tgtaaaactg tcgaactatt tgaacgaaag ttgtacactg caatatgtaa 360
caatctcct 369

<210> 24460

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B7

<400> 24460

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cagaagttct acaacgtgtt gattgaggag ctgcctgcca acgtcgtga ctttctgtga 120
tcattttgaa gaaaaacaga actaaaagaa cggtggtggg ggtgatctgg taaggcttgg 180
ttttgccgaa atattgtggg ggaggagtga taaggctggg ggggtttcta tgttaaagtc 240
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ctaggcctcg tgctgttgtg gtggttcatt agtatgaaga cgaaagctct gctggctatg 360
ggagtccttt ttctttttga tagtattttg tttaaaacta tgtatgaccg aattatttgt 420
catccttgac tcaattctgc tgc 443

<210> 24461

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B8

 <400> 24461

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 gtgcgtggcc gctccgttaa acaccacca tccttcgttc ggcatttttt ccccttggtt 120
 tatataattt tattgtatcg ttttggcaaa taattttgtg attcgacccc aaagcaagtt 180
 tggttgtctt acgatttgta aacctggaac aatatataat gtgattgaac tgctttgtct 240

<210> 24462
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-B9

 <400> 24462

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 aagggatatt cctgggtcatg tcaagcaaat cgctccaaag ttccaggacg gaattagggc 120
 gttggcagac agcccaatca tcggggagat acgtggctta gggatgatta tgggaaccga 180
 attaccaac aacaaatcac cgactgatct attccctgcc gaatgggggg ttggtgccat 240
 ctttggagag gagtgccaga agcgcggcat gctggtcagg gttgctggcg acgccatcat 300
 gatgtcgccc atgctgatca tgacgccccg gcgaggtcga cgagctggtg agcatctacg 360
 gggaagccct canggccacg gangagaggg tgtcagacct gaagatgaaa tccgagaaga 420
 actaaccaaa ag 432

<210> 24463
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C1

 <400> 24463

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gggttggttgg tggggacttg gaggttatag aaccaatcaa gtacaatgat ggtctagatc 120
 agtatcgctt gtctccagca cagctgcgtg aagagtttgc caggcgcaat gctgatgcag 180
 tatttgctt tcagcttcgc aatcctgtac acaatgggca tgctcttctt atgaccgaca 240
 cacgcaaacg tctccttgag atgggttata aaaaccctgt tcttctgctc catccactgg 300
 gaggattcac aaaagcagat gatgtgcctc ttagttggag aatgaagcaa catgagaagg 360
 ttcttgagga aagtgtcctt aaccagaat caactgggtg tgcgaacttt tc 412

<210> 24464

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-C10

<400> 24464

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 gagctgtccg acggaggggc tctcggctcg ccgcggcgac gcgccttctc cgctccaggt 120
 attggacgta tggagataaa tgggggaaat ggagtgaggt caatccaaga ggggcagcaa 180
 tggcatttat gtaaccatgg aatcgagatt gggcgctccat caccaggagg ggatgaacct 240
 ggtaccatcc ccagagatgt gagagtggag aatgggcatg gagttgttgg aagaagagac 300
 gnggtcctg catccagcta ttgggacctg ttgagagcac acctctctga tcctttaaca 360
 ggtgttctca tggatgatgg cattgattta tcatgtggcc attcatatgg aagtagtga 420
 atgc 424

<210> 24465

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C11

<400> 24465

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ctaattattgc ttctgaaatt tacaacaaag aatatgcaaa tgcacgtatt tgtggagctg 180
 acaaattggag aaaaaccctt gcaaaatddd tgaggcggcc tcattttatt gtgtgggata 240
 acagtgatct catcactcat gaagtcattg gcggcttaaa aatgcctat gctggtgctg 300
 gtatgggttag ctgcattaac caacgagagt gcaaccagca aatccgttta ctttgcactt 360
 tgcacatctg agttgatcta catcacacac cttttggaag aagagcctga gaaacttgtt 420
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<210> 24466
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C2

<400> 24466
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 agtggacgtc aaggagaagg gctctgacac gtacgagccc ctgaagcact cctggggcgc 180
 catctggagg aaggacagcg acaaaccgct taagggaccc ctaccgtcc gcctcactac 240
 cgagggaggc accaagtccg tctacgacga tgtcatccct gccaaactgga aggccaacac 300
 cgtctacacc ggcaaataat taactttagt gctgacaata ctttaagccg ggctatgcta 360
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<210> 24467
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C3

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 ttaagcagca ctttttcagc aatttaataa aacacccaaa gttcatcact gataccaagg 180
 ctgctatcgc cgaaacttac aacctcacag attcagaatt tctgaaagct gatagctgtc 240

aaactcgaga tgctggctca actgcctcaa cagctattat tgtaggtgac cgtttgcttg 300
 ttgcaaagtgt tggagattct agagccgtta tttctaaagg aagacaagcg attgcggttt 360
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<210> 24468
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C4
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 catggagatg aagaaggtcc tctgcgccgc cctcgtcgcc gccgcctcgg ccaccgccgt 180
 gctggcctcg gtcgcctcgg aggcgccctc cgaggcgccc gccggcgcgg ccggtgggtg 240
 ggctggccct agcgcaagcg gcgccgccgc cgtcgtcgtg cccgccgtcg gggcgctcgt 300
 cgcttcttcc ctccggtact accttactg agcgacgacg cgcgggggcg 349

<210> 24469
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C5
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 ccaggccagg ttccgcgtcg tcttctccca cggattcacc ggcttccgcg aggacagcgt 180
 ccgcgcctcc caggaagttg cggaggagct gggcgtgtac atggtggggt tcgaccgcgc 240
 cgggtacggg cagagcgacc ctaaccccaa ccggtccgtc aagagcgcgg cgctggacgt 300
 ggaggagctc gcggacgcgc tggggctcgt gcccgagttc tacgtcatcg gcattcttct 360
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<210> 24470

<211> 67
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C7

 <400> 24470

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 tgtgatac 67

<210> 24471
 <211> 344
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C8

 <400> 24471

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 ccgcgggcac tgccggcaca gtggaccacc gcgaagaagt acaaggccac gatggacgcc 180
 aagacgcggc aggcctttcga cggcgtgggtg gccgccgcta cggcagagaa gcggtcccag 240
 gcggtggagg ccgtgctgca gcagcagctg aacatggacg tgctccctgtc caaggcgacg 300
 tctttcgggg acgagaacaa ctacgtgagc gtgggcgctg gcta 344

<210> 24472
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C9

 <400> 24472

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 cagactcctc atcgacatgc tccgagcggg ggtggccaag tacgcggagc tgcagggcca 180
 ggtcaacggc atggcggcgc cgggtgtccac ggcgggcaac atcgccgacg ccgccgacgc 240
 ctaccgccag ttctccgctg cgatcgacga cagcggctgc gcgtacggct cgtcgtacat 300

gaagcggacg atccggaacg actgcctcaa caccgagccc tagcatcaca accgcaagcc 360
ggcgacgtcg tacg 374

<210> 24473
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D11

<400> 24473

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cggcaaata ga cctcaagaaa gtgtcgtctt tctcccgac tcgcatctac gccgtggctt 180
ccatctccgg attcgacctc cgcattccctt cccacagcac ccaagcagac cacagcaacg 240
gctgcaaccc ctgctggaac gccgtggtac acttccccat cccggtgcc gctgacaccc 300
gcggcctcgc actccacgtg aggtctccgc cccagcgtct atacctgggc gatcgcgaca 360
tcggcgaagt gtttgtgccc atcgacg 387

<210> 24474
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D12

<400> 24474

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cgccccagca aggaagatgc agtcatttac ttgtttcagg accctttaac taactacact 180
gaggacaggc gcatggtcac gcgctctact cccgtaaggc atggattaca cattcaacta 240
ttcggcgaca ctaccaatgg ctgcaactca accgagcctc cattttaacc ctcataataa 300
accccatgga gctacatttg acgacgaacg acatttgagc gacctgcgaa acatagtacc 360
caatgaacat tgatatgcag aagtgttcat aagagactta caaatttcat tgagtgggcc 420
tcaatccata c 431

<210> 24475
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B5

 <400> 24475

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 gcacggcgaa ccagtgtccc accatcgacg gcggcggtgga gtcgttcccc ttcaaggccg 180
 gcaagtacca gatgaagaag ctgtgcctgg agccgacgtc cttcacctgc aaggcggagg 240
 gcatcgccaa gaacgccccg cccgagttcc agaagaccaa gctcatgacc cgcctcacgt 300
 acacgctgga cgagatcgag ggcccgtcgg aggtcggctc cgacggcacg ctcaagtctg 360
 aggagaagga ctgcatcgac tacgccgtcg tcaccgtgca gcttccgggg gg 412

<210> 24476
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-H9

 <400> 24476

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 aggaggaatt taattagtag gtaattaatc cccctatgat acaataataa taataatgaa 180
 tacaacacat gcaatggagc aagtggacga cgggcagcat acgcaggaag gcgtgtcgac 240
 ggagcgcgcg ttcgaggcag acccgatccc atccttgctg gagacgatca cggcacgggc 300
 gatagc 306

<210> 24477
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-A1

<400> 24477

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cgtgctggag gccgcccctc cggcgaccgc catggactgc aaggccgggt gtgacgaggt 120

cacggggcca ctccacatga gcatggagga ctgcatgaag aggtgcaagg agatcgctgc 180

taagcagggg cctagggacc cttacaagga taacaaactt gacatcccat gaactaatta 240

atgctcctat atcatctgcc tatccatgca tgcattgcat tgcgtatgca cactgtgcgt 300

gcctgccac aaagttcgac aacacaccga tctcgacgga tttgtaatcg tgtccactcg 360

atcgagagat cgatcgatgc ttgttattat atttggattc cacattatat atgagaaaat 420

ccaattaaaa ttaatttatt tc 442

<210> 24478

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A10

<400> 24478

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ggtgcgcagt acaagtggct ggaggcggac ctggagaagg tggacaggtc ggtgacgcca 180

tggtgatcgc cgggctggca cgcgccctgg tacaccacct acaaggctca ctacagggaa 240

gccgagtgca tgagggtgga gatggaggag ctctctctacg cctacgggtgt cgacgtcgtc 300

ttcaccggcc acgtgcacgc gtacgagcgg tcgaaccggg tgttcaacta cacgctggac 360

gcgtgcggcc ccgtgcacat ctcggtgggc g 391

<210> 24479

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-A11

<400> 24479

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gcagcaggtg ccgccggtgg gcggcagcgc tctgaagccg gactactaca gccagtcgtg 180
cccgcgcgcg gagcggatca tcgcgagggt gatgcagacg aagcagatgg cgaacccgac 240
gacggccgcg ggcattgtgc gcgtcttctt ccacgactgc ttcgtcaccg ggtgcgacgc 300
gtcgggtgctg atcgcgtcca ccagttcca gaagtcggag cagcagcgcg agatcaacca 360
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<210> 24480

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A3

<400> 24480

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cggtcgttc ctgcgcgtgc gtcgcctctc cgggtggcgcc atccaccacc atcgtcacca 120
ctcttccccg gctgaggtcg tgggcgtgtc cactgcgtgg ctcggttaagg ggctttcatg 180
cgtctgcgcg cagaggaggg agagcgacgt gcgcctgtcc ttcgatttga gtccattca 240
ggaagagtgc ttgaataggt tgcagaaccg gatagaggtg cagtatgatg gttcaaattc 300
ggagcatcag aaagcactgg aagccctttg gcgttcttct tttcctggaa ctgaacttct 360
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<210> 24481

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A4

<400> 24481

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aactggcacc gtgtcagcaa ggggtgtcct gaacagattc ttgacctgtg ccactgcaag 180
gaggatctga ggcggaaggt gcactctatt atcgacaagt atgccgagcg tgggtctcgt 240

tcgcttgctg ttgccagaca ggaagtacct gagaaaaaca aggagtcccc tgggtggacca 300
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 a 361

<210> 24482
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-A5
 <400> 24482

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 acggaggacg acggtgtgcc taggcctgct gcttctacta ctggcggcgt caactgcgac 180
 ggcacatttc tcgatcggcg acgtggacga gtacttgaac aggcgcacgc aggagtcccg 240
 ccacaggaac cacggcggcg cgcagatcaa tgacctcatc tacagtgctg cgcgcttcca 300
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 agc 363

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 <211> 340
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-A6
 <400> 24483

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 attcctaact ctgcaatnng ggaggaactn nngtggagat acctatggcc annggtccnn 180
 aatgaactaa gatgtcatgc cctnctcttg gtggacctgg agaactctgga ctagcactag 240
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<210> 24484
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-A7

 <400> 24484

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cgtactccac gttcctgaag ctctgcagg acaccaaggt cgcgggagag gcgaatcagc  180
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tcaagctgga cgagatgaag acacgcaccg tcatcctncc cagctgctc tccgtcaccg  360
acaagaaact cggcgtcctc aactacacca gggccgacga cgggcagatg tac         413
  
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<210> 24485
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-A9

 <400> 24485

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aagacggcca acggcgtccg catcaaggcg tatgaggacg ccgcctccgt gctcaccgcc  180
tccaagatcc actatgagaa tatcaagatg gaggactcgg gctaccccat catcatcgac  240
atgaagtact gccccaaaca gttatgcacc gccaatggtg cctccaaggt caccgtcaag  300
gacgtcacct tcaagaacat caccggcacc tctccaccc cggaggccgt caacctgctc  360
tgctctgcca agatcccatg caccggcgtc accatggacg acgtcaacat caagtacagt  420
ggcaccaaca aca                                     433
  
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<210> 24486
 <211> 383

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B1

 <400> 24486

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 catgtcagct aatccttcac agcttacaat tttctatggc ggatcagtat gtgtgtatga 180
 ctcagtgcc a cggaaaagg ctcaagcaat catgcttata gctgcagctg cagcggcagc 240
 ggcagctacc aaaagcagtg ctgccctac tgttaagcct ccaatgggtgc ctgcagccac 300
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 ttctgtagca actgggcaac ctc 383

<210> 24487
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B10

 <400> 24487

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 aattgcgaca acatacttcc ttaccaagaa caggtcgatg tgcacagatc cttcttgctt 180
 ggatgtacct taaggctctc aggttttgag ttgagcaatc cttgttggca caccatcaac 240
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<210> 24488
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B11

 <400> 24488

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 ggaggtccag aagcggatca ggcggagaa gaagctgctc aaggaggccg aggagcgaa 180
 gaaccgcggc ggcagcgga tgtcccacga ggcccggtac cggcgctaca gcatcgagga 240
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<210> 24489

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B12

<400> 24489

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 cgcagatcta ctactgcacc atcgacagcg gacagtacac gctgtacaac cacaatgtcc 180
 tgcactactt taagggtgc ctcactgtgt tcagaatcga cttcatcttc ggcttcagcc 240
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<210> 24490

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B3

<400> 24490

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 cctccggtga ggccgcgcag tgagcgagaa ccatcggttct ctgtcagtat gtactgtatt 240
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 gctagaaaaa acagatgcag gtgttgcttg taactgcaga atgatggtag gtatgcatga 360
 agtctgaggg cctgtgttat ttggc 385

<210> 24491
 <211> 311
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B4

 <400> 24491

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 cggcagcggg a 311

<210> 24492
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-G4

 <400> 24492

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 caaactcaag aactaagttt catgtctgat ctgcagctcc agcttccatc tgcttttgat 180
 ccgtttgcag aggcaaatgc tgaggactcc agtgctggtg ctggatcaaa ggactatgtg 240
 cacgtgcgta ttcagcagcg caacggaagg aagagtctga caactgttca gggcttgaag 300
 aaagagtaca gctacaacaa gatccctaag gatctcaaaa aagagttctg ctgcaatggg 360
 actgtaatcc aagatccaga gctaggccag gtcattcaac tgcaacgtga tcagcgtaaa 420
 aatgtcggta cttttctagt acaggccgga atcgtgaaaa aaga 464

<210> 24493
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-G5

<400> 24493

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ccatggcggtt ctatcggggc ctcaccgcag tctcgagact gcgatcacgc atggcgccagg 180
aggccaccac gctggggggg gtgaggtggc tgcagatgca gagcgcgtcc gatctcgatc 240
ttaagtccca gttgcaggaa ttgattccgg aacaacagga tcgcttaaag aagctcaagt 300
cagagcatgg aaagaccag cttggaaaca taactgtgga tatggtcctt ggtggaatga 360
gagggatgac tggaatgctc tgggaaacat ccctacttga tccagaggag ggtattcggt 420
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<210> 24494

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G7

<400> 24494

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gggttctacg actactcctg cccacaggcg gagaagatcg tcaaggacta cgtgaaggcg 240
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ttcgtcaggg gctgcgacgc gtcagtgctg ctcaacgcga ctggcggcag cgaggcggag 360
aaggacgcgg cgcccaacct gacgctgcgc ggcttoggct tcatcgaccg catcaaggcg 420
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<210> 24495

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-G9

<400> 24495

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cgtcaccgcc gccgcgccga cgcggctgag ggtgcgagcg gcagcggcgg ggaaccgcgg  180
ctctctctcc gtcgcgcgcg ccgccgtacg ggccgagacg ggccgcgtca ggggatgcgc  240
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cgtgtgtcac tcgtcggcgc acctcagcgc gcgcaccatc cagtggatct ccgncggagc  360
cagcgcagtg ctattagttg ctaaaggcac tgccatacac aaatcttt                408

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<210> 24496
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H1

<400> 24496

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tggttcttc gacatcacca agttgggcag cctccggcaa tggcaagaca gacagcacga  180
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taccaagggg cgacttcctt gtcggacaac tcaacttcac aggcccttgc aagggcgacg  300
tgaccatcca ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaac  360
atggaattg gatcgagatt ctacgcgtgg ataacctggt ca                402

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<210> 24497
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H10

<400> 24497

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cctccctcgc cgtcgtgcc tccgatggcg gtgggccgac gtacgggtac acggcgggga 180
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 ggaagcagca gtccccgac gacatcgta ccaagcaggc cgtccccaac gccaacctcg 300
 acaccctcaa ccgcacctac gccgccaccg ccgccacgct catcaacgac ggccacgaca 360
 tcacgatgac gttcgagggc aaggctggga cggtaatggt gaacggcaag gcgtacagct 420
 tcgagaagat gc 432

<210> 24498
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H11

<400> 24498

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 gcccaaattc aacgtgtttg tcaaaaatgt atctgctcat ctgggagtag ctgcgccaca 180
 cattgagttg aagcatgtga ttgctgctac aattggctctt aagggtcttg gaagcctcct 240
 ttttattttg agcagctctc tcagtgttta tctcctgctg ctgtaccttg cttagatcac 300
 tcctatcacc catgacttct acaactacga tatggagaag gcagaatctg caggcctctc 360
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<210> 24499
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H2

<400> 24499

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 tgatcaccgg cgaccagctc gccatcggct aggagaccgg ccgccggctc ggcatgggca 180
 ctaacatgta cccatgcacc acgtccttg gcgacacgaa caccacggcg aacggcatgc 240

acatcgacga gctgatcgag aaggcggacg gcttcgctgg ggtcttcccc gagcacaagt 300
 actagatagt gaaacggctt cagcaccgga accacatctg cagcatgacc ggggactgcg 360
 tgaacgacgc gccggcgctg aagaaggcgg acatcgcat cgccgtggac gacgcgactg 420
 acgcggaccg gagcgcgtag gacatcgagc tgactg 456

<210> 24500

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H3

<400> 24500

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 actcctgggc tggctgggat gatgggaagg atgatggtct tgatagccct agttacaaca 180
 atcacagcac ctccaacaag gggagcaacc aaaacgggac atccggtggc acattttgga 240
 cagaaggcgg ctcccgctga aaccagtctc tttttcatag agctatactt tcagagtcgt 300
 tacatgccag gaaacgtgag ggtccagtgg ttggtattat ttgggatact taaacagtgc 360
 ggtgaaaggg tttgtgtgtc ttgtaccatg tctacaactg atattatata tagtgagata 420
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<210> 24501

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H4

<400> 24501

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 accaccccg tcaacttcca tgacggaaag ggatccaagc ctggtcacct gatcctcacc 180
 agtaacgttg ccaccatata cgatgtggag atcaaagagc actgtggtga tgacttttgc 240
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taccc

305

<210> 24502
<211> 477
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-H5

<400> 24502

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gaggagcagc agcagcagca gttcttcatc cgcgacgaca cgccattcat gagccagatg 120
ggcgacatca ccagcacggc ggagttcagg ttcggctctg gtttcaacat gtctagcacc 180
gcccgcgctg attaccagg cgccggcgcag aagaacgacg gggccaattg gttctactga 240
agaataaaac ttgtagggtc cctcgttata agcttcggat tcctccatgg ctctcccaag 300
ttgtcaagtc ttataggctc tcgttatata ggttttgag tagctgcaag acggctggaa 360
cctgnaactg gtttatactt gtatgtccgg ccagccataa acctctctta tttgcaaact 420
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<210> 24503
<211> 482
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-H6

<400> 24503

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tggatggtca acaaagtga aggaagatg cagaaaccgc tgccggagtt cctcaaggag 120
tacgacctcc cagcaggcct gttcccgag gacgcgacga actacgagct gaacgaggac 180
accaagctcc tgacggtgta catcgctcg ccgtgcgagg tgggctacaa cgactcgtcg 240
gtgctgcgct tcgccaccac cgtgacggg tacctggaga aggggaggat gaccacgctc 300
gagggcctca agaccaagat cctcatctgg accaagggtga cggaggtagc gaccgaggcc 360
accaaggtgc acttcgccgc cggcatgaac aagaccagga accgggacgc gtacgaggtc 420

gtcagggacg gcacgcncgt agacaagttc tagcagacct tgtaattagg cgcgtaatat 480
aa 482

<210> 24504
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H7

<400> 24504

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caacagatct ccaactccaat catccttaca cctgatgctc tgcgtcgtac atcatatcca 180
ccgtaagttc atcttcaact acgcgcaaac ccgaacacgc gacacttcta 230

<210> 24505
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G2

<400> 24505

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ggggatcatg aagctgggtg agatggaggg ctcccacacc atgcagaacg actacgactc 120
gctggacctc cacatcggcc agtgctgtgc gttcctcgtc accgccgacc agaagcccgg 180
cgactacctg ctggcggtgt ccacccggtt catcaaggag gtgaacagca tcacggccgt 240
gatccgctac aagggctcca acgccccgcc gacggccaag gtgccggaga gtcccagcgg 300
gtgggcgtgg tccatcaacc agtgcaggtc cttccgctgg aacctgacgg cgagcgcggc 360
gcggcccaac ccgcaagggt cgtaccacta cggccagatc aacatcaccg gcaccatcaa 420
gctcgccatg ggccgcagca aggtgga 447

<210> 24506
<211> 398
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-E9

<400> 24506

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cccttttccg acattcacag gggggacagg aaatcagcgg ccatggcctc gattccggcg 120
acgaccttcg ccgtcatctt atccgtcctc ttctgtgccg cggctggcac cgccgtcgac 180
aacgacctcc ccgactacgt catccagggc cgcgtctact gcgacacctg ccgcgccggg 240
ttcgtgacca atgtcaccga gtacatcgcg ggcgccaagg tgaggctgga gtgcaagcac 300
ttcggcaccg gcaagctcga gcgctccatc gacgngtga ccgacgcgaa cggcacgtac 360
acgatcgagc tcaaggacag ccacgaggag gacatctg 398

<210> 24507
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F1

<400> 24507

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tatgccactc accttaaagg taggcaaagg ctgcaatcct gaacacctgg tcctcacccc 180
aaacattgcc accatcacgg aaacggagat catggatcac ggtctcgatg acttctcctt 240
tgagctcaaa gagggccacg tcgacacctg tacgcttgac acaaaggccc cactcaagta 300
cacgctctgc atccgctttg ccagcaaggc tgacggctac tcgcatctcg atgatgtcat 360
ccctgaaaat tttaatgcac acaccagcta caagaccag ctcaaaatct gatca 415

<210> 24508
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F10

<400> 24508

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caaggagcag ctcgagctcg acaaggatga tgagagcctg aggaggtgga aggagcaact 120
 ccttgggcag gtcgacacag agcagctggg agaaactgcg gaaccagagg tcaaggtgct 180
 ggacctgacc atcctgtcac ctggcagacc ggacctgatc cttccgatcc cgttccaggc 240
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 cttcatcgtc tccaacaaca tcgtgtcagg cctcaagtac accaactctg tctggaaaac 360
 tggagtcaaa gtggagaccc agaagatgat gctggggacg ttcagcccc aactagagcc 420
 ctatgtcta 429

<210> 24509

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F11

<400> 24509

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 ttggtgtgga gaggaaggt tcaagttgat tttaccaag gcagcacgac ggcagcgacg 180
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 agtggctgtc ttgactgcct gcatgatatt gtgcatgcac tatcgtatgg atcatgcctg 300
 acagtagagc agcggcctgc catggctacg ggaggtgctc acaaggag agatgtaaaa 360
 gagaggaagg aaaaggtgga ggtaggata ataggaaatg gagtgggt 408

<210> 24510

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F12

<400> 24510

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 gatagcttat cttctagtac acctcgtgtt gttctcttcg tcacggcgcc ggtgcgcgtg 180

cgctgaagct gcctgccatt gccattgcct ttgccgttgt ttttaattaa gcacacactc 240
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tggttttcgt gctccaagcc tgctgcttct tccagggaaa aaaagacctg cccttggtgc 360
agcgttggtg tttagaatga cctatatattg actggtattc tgttacggtg gctttgcaaa 420
g 421

<210> 24511
<211> 461
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-F2

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catctccctc gtgactaagc tcctcggccg catctactac accgtggagg ggtccgcgac 180
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tggcatgacg ctcatgctca tggtcctctg ctccgtcgcg tcggggctct cgttcggcca 360
caccocggcg tccgtcatgg cgacgctgtg cttcttcgcg ttctggctcg ggttcggcat 420
cgcccgcgac taccgctgt cggcgaccat catgtccgag t 461

<210> 24512
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F3

<400> 24512
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cctatatatc tacgactcgt acctgatata ccaagctagt actgctctgc aatattaatc 180

aatgactcta aacgtatctt ggtacatcta catgtacatt ctacaactag gctctaacct 240
 cctgcacaca cattatcaca tatttgatac ccacaattca tgactcgcac ataagctact 300
 gagaccccat cggttactct acta 324

<210> 24513
 <211> 345
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F4
 <400> 24513

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 atgttccac gatcacctcg gccgcaagca acgaggagga ggcgttggtc acagtcagag 240
 aatccaccaa ggacgatagc catcgcttga cgatggaatg ctccactccc gtctacttca 300
 gtagcccttc caccgcgct tcttgcgagc ggttactgaa gatgt 345

<210> 24514
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F5
 <400> 24514

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 gccatgtact ctgctgacca gtcagtggat tctgctaaac aaatccagca catttggtcat 180
 cattagccta tgtttttccg agatgaactg caatctaggt cgtagacgca acctgtgggc 240
 attctatcag tccatgtagc agatcgaatg atcaacccat gagatttaca acagaagatg 300
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<210> 24515
 <211> 272
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F6

<400> 24515

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tatctgaaat actctacttc acgttgacca ctattaaggg ggccggcact agctctctac 120

aactacgcct ataacatctc actcttcaat ctcatgactc aattactaat accctaatac 180

tactacacta acatcaacct ctatccatga actatctcca cgtacaactc ctactcagaa 240

cacacaatat tcaatgtccg cacattcact aa 272

<210> 24516

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-F7

<400> 24516

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tgtggcgctg gccctggtgg cctgctggt ggtggcggcg gcggcgcccg tggccaccgc 180

gtacggctgc tacgacgact gctacgagcg ctgcgccaac ggcaagaaag accccgcctg 240

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cgcgccggct tgatcgccca ggcattcat cgcttcagct cgatataatc gctgctccgt 360

cagcaacca catatgattc gatcaatctt cctcctctaa tttctcgacc ccgtcgaatn 420

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<210> 24517

<211> 483

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F8

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caaagcccaa ctacgggttc cgccccagc aggagcaaca gccgtcttac ggcagcggct 360
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ccgggtatgg gaggaagaag caggaggagg agagctacgg ctctggatat gggaggaaac 480
cgc 483

<210> 24518
<211> 397
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-F9
<400> 24518

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gagcgagatc atgaagctaa agcgtgggat cagcaccaaa ccaggagacc acctcgcca 180
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gcgggcgccc acggcgagcc cgacggagtc ggccaggacc ccaggcgga gccagaagaa 300
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gaagaaaccc ggccaccgg aagagatgat gtggacc 397

<210> 24519
<211> 398
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-G1
<400> 24519

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cgagcccctg aagcactcct ggggcgccat ctggaggaag gacagcgaca aaccgcttaa 180
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 gacaatacta taagccggcc tatgctagct atactagaat tggttggatc ccaagcaatg 360
 cattacacat gcatgcattg gaccgtgaaa aatacttt 398

<210> 24520
 <211> 185
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-G11
 <400> 24520

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 gtgac 185

<210> 24521
 <211> 369
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-G12
 <400> 24521

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 gagaaagaac tcaaggaaac cttgcaggat atccttgggg aaaacaaaac tatttttggtt 120
 gaacagaaga ttgactacag catcatggga ggattagtga ttgaattcgg gcagaagggtg 180
 cttgatatct caatcaggaa cagggcgaag caaatggagg cgttcttgaa gcaaccactt 240
 gacttctaac agccttttgg ataaaagcat catcggaatg cagaggctgt ccttgtgaag 300
 gttttcctgt gtctgcaatt ttaatctgtc ctttttgata aaatgtttcc tctaacaagt 360
 gaaaggcac 369

<210> 24522
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-E8

 <400> 24522

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 ccgcaaagac gcaatgatac cactgggcct ccatcgaggg ggccggcatg acattattca 120
 ccgacaccta ccacctcttc tgcattctcc tcgtgactaa cctcctcggc cgcattctact 180
 acaccgtgta atgggtccgat acgcccctcca cctcccacc gcacgtgtcc acgtccgtca 240
 actgctgga cttcgtgac acgtgtcac gacagctctt cttcagctgg ctgggctaca 300
 agctctggca caagaacgtc tatggcatga cgctcatgct catggctctc tgctccgtca 360
 catcccagct ctcggtccgc cacaccccg cggtcgtcat ggcaacactc tgcttcttcc 420
 gcttctggct 430

<210> 24523
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D3

 <400> 24523

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 gcggggcaga tcgacgtggt catcgacacg gggaaccggt tcctgaaccg caccgtcgac 120
 ggcttgctca agatcggcgc tgcggcgcc tgcaagggtg cgcccgagga gaccttcgac 180
 tgcctgcaca ggggggatgt ttcaaagcgc aagggtgagc atgccctgaa gaagatgtgc 240
 aaggagggcg catattgcgg gactgttgct ggcgctctac tgggcgtggt gtatggcgtg 300
 tagagggtag gtgggcgcag tgactggaag aacgcgatgg tcggaggcgc cttgtccggc 360
 gcgctggtct ccgacgccag cagcaaccac ggtgacaaga tcgtcacgga cgccatcacc 420
 ggcggcgccg tcgcaacggc cgttgagttc gccaaactacc tcac 464

<210> 24524
 <211> 459

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-D4
 <400> 24524
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 gggggcgctac ggcagagctc cacggggatc accatctcca actgccactt caccaaccac 120
 aacgacgtca tgctcttcgg cgccagcgac tcctggccgc aggaccagat catgcagatc 180
 accgtgcct tcaaccactt cggcaggggc ctggtgcagc ggatgccaag gtgccgctgg 240
 ggctttcttc acgttgtaa caacgactac acgcactggc tcatgtacgc cattggcggc 300
 ggcgacgcgc caaccatcat cagccagggc aaccgctaca tagcaccacc aaacatcgcc 360
 gccaaagtga tcaccaagca ctacgcggaa gaaggcgtgt ggaagaactg ggtgtggcac 420
 acggaggacg acctgttcat gaacggcgcc atcttcaat 459

<210> 24525
 <211> 326
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-D5
 <400> 24525
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 gtcgtacaga agtgccctct ccggtgttca taccagatat tggatgaatc aacaacagt 120
 aggattctga tgggtccgcc tcaaaagaaa attcccacgt tgctcacgtg gactcttga 180
 gggaggaata tctacgttga aggatcatgg gacaactgga catcaaagaa actcgttgag 240
 aaatccggaa aagatcacac cattcttttg atgctttcat ctggagttca ccgttataga 300
 ttcattgtag atggagaaag aagatt 326

<210> 24526
 <211> 227
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-D6
 <400> 24526

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 gtggttctca tgatattgaa gatgcattgc cctttaaaaa tataatagat ctcttcattg 120
 atcatcatcc agactcttca gctaaaactc ataactcttt ccctacatta tactttgaca 180
 tgtaccttgc agtgcattat attctgggtca gatcatctct gttcata 227

<210> 24527

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D8

<400> 24527

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 cgccatggtc gtagcaccga tggccgaggc aaagtccgcc gatgcccttg tggctgacgc 180
 gccagccgat ggacctagcg ggccggctgc tgcacctggc ccccagggtg tcgaaggcct 240
 gtcaggcaat gaggatgacg atgatgactc caccaattga ggccacacac gtcggcccgg 300
 ttaaatttgg aacaagacat ggaagaaaaa tgatagcaat gtctataaaa ccatgataat 360
 gtgtgggtcat ccaatcatcc atggatacat gcttgtctta cctctttttc tgtctgcatg 420
 attgtcaatg tgttatcatg ctgtagtta actg 454

<210> 24528

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D9

<400> 24528

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 ccgagcagag aaggggaggt acctgctacg actagctaga ttccacgcgc gatggcgccc 120
 accaggatcc gcgtggcctt gctgagcttg gcgctgggtg ggctgctcat ctgccacctc 180
 gccaccaccg cctccgccgg caagaacaga atccgcaccc tcgacagcgt cgacgactcg 240
 gccggggaca acaacagctc cgacgcctcg gccggggaca acagcaccga ctccgagtcg 300

gaaggccgcg tcgtctattc cgacatgaag ctggctgatg agacgggatc tgcgccggct 360
ccggcaccgg cgccggggcc gacga 385

<210> 24529
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E1

<400> 24529

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tgtgggagag agatgaacac atatccgcac tctttctact gaaacaccag aaatatgcgc 120
tcttgctcca taattcgta acacaactgc aatggcggac ggtactgcca tgaaggccaa 180
ggctctgatc tcttgcaag gcacatactc ctccggctcc atgtacctg gtctgtctcc 240
agtgaggacg atacatcgac cacagctacc gggcttcacc tagtatccga acggccaatc 300
cttagacaca gagatcttgc tctgctcga tccaagcttc tttatcgga gtctgaccat 360
cacggacaat ctggtccata tctt 384

<210> 24530
<211> 218
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E10

<400> 24530

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gatttgatgc aagtatgcgg ttttaatttg taaatcagag tcgaccata ctacgcgaca 120
cccagtatca attttcactt gtaatgaaaa attacacatg tactcatttg ttgtacacaa 180
acaaacaaaa aacgttagaa tataagagga tgtttctc 218

<210> 24531
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E11

<400> 24531

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gggcctaaag gagaggccaa cacgaagggg agcaacgaac atggagaggt cggcgcaggc 180

agcggcggcg gctcgcagaa gcggaagagg aaggaggtct tcatctacgg caactacagg 240

aactactatg gctaccggat tgatcgcaat gttggtgaag atcctcgcct tgaggcggtc 300

aagaaacagt ggtttgaaaa gaaggattgt ctcgatattg gatgcaacca aggtttggga 360

acgattggct tagccatgaa atttaaatg 389

<210> 24532

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E12

<400> 24532

cccacgcgtc cgccagatca acaatggggg ctgctggaat gagactagga acggaagag 60

tgtgtctgcc tgctcaaacc aagaagctaa aggctgcaag tgcccagcag gtttcaagg 120

cgacggagcc aacagctgcg aagatgtgga tgagtgcagg gagaagcttt tctgccagt 180

caaggactgc gcttgcgaga acacgtgggg aagctacgag tgcagctgcg gcggcggcaa 240

ctcgctgtac atcagagagc atgacacttg catcagcaaa cattccagct cgacgccgag 300

ctggggcttc ctgtgggtgg ttttcttggg ccttgocctg gccggagcag gagcgtacgc 360

cgtgtacaaa tacaggctac ggagctacat ggattcaaag atccgcgcga tcatggccca 420

gtacatgccc ctg 433

<210> 24533

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E2

<400> 24533

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gtacacacgg ataatcacgt caaattacat gtactcatgt tcactatcac attccaacac 120
atcgataatc ttctcttcat cctgaaactg gacaccctaa tgtctcacac aatacaattc 180
gagatctaca gtgagcctaa ctgtccgcat gccttatccc atacatctga tccaatgaat 240
gcctctctta ttcttactgt acttcatgta catcaccttt cgac 284

<210> 24534

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E4

<400> 24534

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gtggcgggca tgggtgagaag gcaaagtcaa aggacaacga tgcaaaagcg tccgggcccg 120
gtgggtcctt cgacatcacc aagttgggcg cctccggcaa tggcaagacg gatagcacga 180
aggctgtgca agaggcgtgg gcatcagcgt gcggaggcac cggaagcat gacgatcctc 240
atccacaagg gcgacttgct cgtcggacca ctcaacttca caggcccatg caagggcgac 300
gtgaccatgc aggtgaatgg caatctgctg gcgaccacgg acctagcca gtacaaggat 360
catggttaatt ggatcgagat tctacgcgtg gacaaccttg tcatcaccgg caagggaag 420
ctcgacgggc acgggccagc cgtgtggagc aagaactcct gccgtaagaa gtac 474

<210> 24535

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E5

<400> 24535

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ggcatcaacc ttgcctaccg cgacgcaaga ggcagcgatc cgtatgtcgt cctacgactt 120
ggcaagaaga aacttaagac gagcgtgaag aagagatctg tgaaccccat ctggcacgag 180
gagctaactc tgaccgtcac agatcccagc ctagctctga agctggaggt gttcgacaag 240
gacacgttca gcagggacga cccgatgggg gacgcggaga tcgacgtggc gccgatggtg 300

gaggccgcga acgcgagccc tgaggcaagc ctgtggaacg gcgccatcat cctgtcagtg 360
 cggccgagcg ccacgaactg actatccgac aagagctacg tgtgctggaa gaacggtaag 420
 ttgcgcgatg acatgatcc 439

<210> 24536
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-E6
 <400> 24536

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 ggcgtgcata tatatattcc tgccaagata aaggtaatgg agtcgtcacg caggttccag 120
 ccggccgtca tctgtcttct cctgtctcatt gtgtccaccg atatggcaca ggcaagggaa 180
 tgcgagaagt acagtgagcg atttgttggg gcatgcatga tcgcagacaa ctgcgccaat 240
 gtgtgccgcg gtgagggcctt cttggccggc aggtgcagca ccttccgccg ccgctgcatt 300
 tgcactaggc agtgctaaac aagatcgctc gatcgctcgc catgcatcga caacctattc 360
 ttaataacgt tcattatctc gttcttattt atgacgaatg tcatgtatgt tctggtgact 420
 gtcatgtata ttctgatgac tgcatgtat cttgttcatg tatgctca 468

<210> 24537
 <211> 211
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-E7
 <400> 24537

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 tcaataaata catcgtaaat cccttagtca tcatatatag gttgctggca atatcaactt 120
 tatgtactct tcaactcaatt accatcctac tcatattctg cttatcattc tcattctttc 180
 catcattact actcatctca ccctaataatc t 211

<210> 24538
 <211> 472

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D2

<400> 24538

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 ggggaggatt cctgcaaagc tacggatatc ccagtatcac cccgtgagca gcagctagag 120
 acgaggcatt accatctgct gagccaaaaa tgggtgactgc tgacaagcta tgaaaaatca 180
 actgcaacgc cctctatata atatttgtat tggcagcctc tctgcaaaat atatataggg 240
 ataagacttg cctcggacat ttcatttcta gaccctactc acatggaagc catccaatat 300
 ttttccgtaa ctcacctatt gctaaccctg ttagttcaat ctgctaagtc tatgattttt 360
 agtgcttgag cataatgaag gaaagcacca ttgtaaaact gaactacatg aaaagttgaa 420
 catagattac tttctctgga gatgagtcta acagcgagtt accctttgga at 472

<210> 24539
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C1

<400> 24539

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 aaggaatgtc ctgcaggccg gctggccggt cgtcgatcga ggaaccaagc tgctgctgct 120
 gctaccggac gacaccaacc atgatacga ggacgacggt gtgcctaggc ctgctgcttc 180
 tactactggc ggcgtcgact gcgacggcac atttctcgat cggcgacgtg gacgagtact 240
 tgaacaggcg cacgcaggag tcccgccaca ggaaccaacg cggcgcgcag atcaatgacc 300
 tcatcttcag tgctgcgcgc ttccacgcca acgtggatgc acgcgcgtat ggtcgccgct 360
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 aagaac 426

<210> 24540
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C10

<400> 24540

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catacgtgct aagatgctgt actccacgtc gaaggaccgc atcaagtacg agcttgacgg 120
gttccactac gaaatccagg cgaccgaccc atcggaggtg gacatcgagg ttctccggga 180
gcgggctcac tgaagctggt tctccttttg aagggacctg tggagggccg tgaaccttca 240
gccagatgca aattcaattg tcaacgatga agctcccgcc gtggtgtttg ttaataagtt 300
cctgtaagcg tatcatttag tcgctatgca tgatactagc tggatgaagcg ctatctaagc 360
tgtaaacgaa gcaagatttg caaacttggt atattgtggt attgatgata ctggattact 420
ggctgtgggt taaaa 435

<210> 24541

<211> 388

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-C11

<400> 24541

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acagaacaaa cccatcaacc atggcgaaact cggcgtcggg gatggccgtg agcgacgagt 120
gcaagctcaa gttccaggag ctcaagtcga agcgaagctt ccggttcac acgttcaaga 180
tcaacgagca gacgcagcag gtggtggtgg acaggctggg gcagccgggc gacacctacg 240
acgacttcac cggctccatg cccgagagcg agtgccgcta cgccgtcttc gacttcgact 300
tcaccaccga cgagaactgc cagaagagca agatcttggt catctcctgg tccccggaca 360
cctcgagggt cangagcaag atgctgta 388

<210> 24542

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C2

<400> 24542

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gcacccgacg ggtggaccaa gaagtttact cccttgagag gggggagatc tgagattgtt 180
tttgtttcac caactggtga ggaaattaag aacaagaggc aattaagtca gtacctaaag 240
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cgttctgctc gtattagcga gaaagtcaag gtatttgata gccagaggg cgagaagatc 360
ccgaagcgca gcatgaactc cagtggtagg aagggttaagc aggggaagaa ggaaaccctt 420
gagaccgaag aagccaaaga tgctgaaact ggcaa 455

<210> 24543

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C3

<400> 24543

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acgaggcgcg gtgcgcgcgc actggccatg agccggggcc gcgcacgccg gccggttcca 180
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tacggcgcgt cgctgtccaa gagcctgctc tacttcgagg cgcaacggtc ggggcggctg 360
ccgcacaacc agcgcgtgcc gaggcggtgc cactcggggc ttaccgacgg gctgcagcat 420
ggcgtggacc tcgtcggcgg ctactacgac gccgggga 458

<210> 24544

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C4

<400> 24544

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 gcgctcgacg aggcggcggt cgtcctgctc ttccgagaca gggctctacct ccagcccgac 420
 aagattgctg accttgtaag gaaagctatg cccctggcac tgacacctg 469

<210> 24545
 <211> 473
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C5

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 aagaggctct gcacccctcc tccttcttga agcgaagccc cttgaaatga atgaaccatg 300
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 tctatacgta cgtcgtcacc ggctggccac gcatgagata accatctgat atggacggaa 420
 ctatatattg gattcctatt aatctggcat tntctaagct aattgttttt ttt 473

<210> 24546
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C7

<400> 24546

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 ctactcacc acgctcttgt ctgaccaact ctctctctct cttatctctt tccaagattc 180
 ccccatTTTT ttgttgttgt cccccccatt cttgctagga tcattctctg atctttcgct 240
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 aatcaatccg ctgggcaaca agtgtcattt gttccccga tccccgggct tcgattcgat 420
 cgaatccgac ctaattntat tgngtgtgtg t 451

<210> 24547
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C9
 <400> 24547

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 gcgacagcgc cgccgttctt gcggtacggc aagtactgcg gcatcatgta cagcggtctg 180
 cccggcgagc cgccgtgcga cgcgctggac gcctgctgca tgcaccacga caactgcgtc 240
 caggcaaaga gtacgtctgc gttgctccag tcgtcgtctt cagttcctat agctccagta 300
 gtgaatcttc agttcctata gctccagtag tgaatcttca gttcgacagc acgcacggac 360
 gtgggctgac gacggctgct gcgcgctgt tgtgtactac catgtgcagt ggactacctg 420
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<210> 24548
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-D10
 <400> 24548

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gctgtgaatg tgagaacat gtggctcgtcg atgcggggcac aggttgcgat ggttgtggcg 120
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 atcacggcca cctatggcaa ggactggctg gacgctaaag cgacatggta tggcaagccg 240
 acaggtgccg gtcccgacga taacggtggc ggctgcgggt acaaggacgt gaacaagccc 300
 cccttcaata gcatggggcg atgcggcaac atccccatct tcaaggatgg tctgggttgt 360
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<210> 24549

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D12

<400> 24549

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 cttcgaggac ccctccacca ggtacaccga ggtgaggggc aaggtcacgg gcttgactcc 180
 gggaaggcat ggattccaca tccacgtctt cggcgacact accaatggct gcaactcaac 240
 cgggccccat tttaacctc ataataaacc ccatggagct ccatttgacg atgaacgaca 300
 tttgggcgac ctgggaaaca tagtagcaa tgaagatgga gatgcagaag tgttcataag 360
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 tgctg 425

<210> 24550

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-B9

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aacaaaaatg ttgcgcgtca cagctgccgt gctcttctac atcctcgccg ttgctgccct 120
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gtctgccaag agaactgctg cccccgctga agcaccggaa gccgcattca cccccgtcgc 240
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ctctacaccc ccttcttcca cggacgagga gttgagccct tccccgccag catccaccgc 360
cgcgcgctcc cctgcggtg anggaccggc tgctgatgac tccgncggtg ctgctgccct 420
tggaagtgga ac 432

<210> 24551
<211> 281
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A3

<400> 24551

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gcggcgctga ccaacgatgc acaaattacc acagaccagc catcggttac acaactgacc 120
aacttggtga gcacctacag aaactcaaga gacattacac gatctacgat caccctgaca 180
tattgacaga tgctgtacag gctatacatg tatgacatat aggatgtgca ctgagcaaca 240
atctactctt tatacacaag aagcatgtgt tatatgttat a 281

<210> 24552
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A4

<400> 24552

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aggttactat aacggtcaat ggcgatgaaa ttcatatgga tcagttaggg aatgttgatg 180
accgtaaaaa atctgggggt caggcattgc aaataagatc ttgctcccag tgtgccattt 240
cggagtctgg tgtgttaagg cagcctatgc ggtcaagggg actgcttgct cggccttata 300

ttcattcaat gcttgctata gcagcagtct gcgtatgcgt ctgtgtattc atgcgagctt 360
 tgctgcggat caattctgga aaatccttca agtgggagag gctggattac ggtacaatat 420
 aattgtgggg acacacctga gccttgtggg attattaagt taacaagc 468

<210> 24553
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-A5
 <400> 24553

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 gcggatcgcg tacctgttcg cgatcctcga ccggtcgtcc agggacggcg gcgtcggcgt 180
 cggcgagctg gaggcctggc tgcgctggca ggccgccgcc cggctggacg ccgtcacgcg 240
 gagggagatg gctccgcacg acacggaccg cgacgggtgcc gtcacgctgc gcgagttctt 300
 cgcagactgg atcaacatgg gacatgacaa aatgggggtgg tggatgcaca agtttgcgag 360
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<210> 24554
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-A6
 <400> 24554

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 attattaatt ccagttgcag catgcatgat gatatatata tgtgtctcta tatgcatgcg 180
 ttggtctata caattcagat atgcatggtg tatacaagtg gtagctagta cgcacgtaca 240
 catccagtca ttaatttgta cgtcttcgcg tgcatttggg ctgtcagctt attaattaaa 300
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ataaagaccg aaac

374

<210> 24555

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A7

<400> 24555

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tttggcatga ctaaggagga gttctacgag cagccaatgt ggaagcagga gttgcagaaa 180
aagaaagccg atcttttctg agacaaggct ggcttcgaac taataaaagc ccttacgtcg 240
cacaggattg tccagcattc tcatcatgct cgttacgtcg atgatgatcg atcaccagca 300
gctttatccg tgagttgtat aggtactct tttatctgca catggtttgt gagcattata 360
tatatatccc acttgcccg tccattattct gaggtcggtc ttgatgttga cctttcacgt 420
gttttctttt tttattgtat tataaaagat caaactgggtg taaatggcat tactagtga 479

<210> 24556

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A8

<400> 24556

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tgctcctcgc cgccggggcg gcgccaccgg ccggcgccat ctgcgtcccg cgcaatcccg 120
gtggccacag caagccagga gcgccggcca agcccgcgcc accgaaactg aagcccctca 180
cgcccgcggc gccggcgccg ccgaagccga cgccgatggc cccggggcgcc gacatcgtgc 240
ggagcctgtg cctgaagacc gactaccccg acctgtgcat gtcggccatc gcgaagcagc 300
cgcagccgca gctgccggtc gggaagcggc tggacggcgc cggcgtgctg cggctggcca 360
tgggcgccgt gcgcaccaag gccgtcgagg ccaaggccgc ggccggcgcg ctgcccaacg 420
acccccggac gcagccgctg gcgcgcggcc cgctgcacga ctgcgtcgag tcggtt 475

<210> 24557
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A9

<400> 24557

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atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg ccagggcgga 120
gtaccaggcg gagcacgcgg cgcagtgcgt caaggacacc gccgcagccg cggccgacag 180
tgcgagctg cagcagcacc gccccaccgg caccgttgag caggtggcgc agacgggcca 240
gggcgtggcg gcaggcgta aggacacggg ggcgggcgcg gcggttggcg tcacgaacac 300
ggtggcgggc gtggcgggcg gcgtcacgaa cacggtcacg ggcgccgtgg cgggcgtcac 360
gaacacggtg accggcgcg cggttggtgt caaggacacc gtgaccggcg gc 412
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<210> 24558
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B1

<400> 24558

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tatgcaatat ttggggaagc tcgggtggag ccaatggcgt tatcagagcc cacaaattgc 120
cagcctaata gagaaaagtg cattagcat ttaccaaagc ccatgatgca aattttctca 180
ttaacattgg gtaaaattcc catcgaaaga gattcagtag aattatatgg ttacatggcg 240
gtgcgggatg atcaggattt attgcttaat tatattgtca atcggagcat ggatgaagcc 300
atcttactgc aaaaggattc ccttatcgaa atgactggcc ctaagccagg catctcaatg 360
acatcctctg tacatgctg 379
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<210> 24559
 <211> 90
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B10

<400> 24559

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<210> 24560

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B12

<400> 24560

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gtataatttc gaaattttcg aaccaatacc tgctaacgtt caagatacta atatacaaat 120

gctactacat acttacttac caagaacatg actatacttt tataaatttt atatttttat 180

attatataat ttttcttata tatatttata taaattatat tatattaat 229

<210> 24561

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B2

<400> 24561

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gtatacgacc acgagtcac gagcagacga gtcctgcgc caccagtgtc atcgctcgc 120

cgtcgcgtcc gcctcgccct cgtccatggc gtccgtgtcc acggcgccgc gcgctccact 180

cccggcggca gcgtcgtcct cgttatccgc gcggcaagtg gatccgaacc ctagcggcag 240

ccactttttc gacggggcgc gcctccgcgt cgtccgcgc ctcgccggcg cggccccgtc 300

gcggcgcgct ccgttgggtc gctgctccgc gcgtagtccg gacgcggacg ccggcgacga 360

gcgacgccg cggcgttggg acgcgatgct tcacgacgcc ttcaagggtg ccgtgcgacg 420

gtggagcgag tacgtcagca attactggcc cccaccgacc tctgttaacg ag 472

<210> 24562
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B4

<400> 24562

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atgtgccaag gaaatgacaa agctctctgg catctctgaa atcatcccg agatggagat 120
ctgcgatttt gactttgaac cctgtggcta ctccatgaat gcgatccatg gctctgcatt 180
ctccacaatc catgtgacgc ccgaggacgg tttcagctat gccagttatg aggttatggg 240
cttggatgcc actgctctgt cttatggtga ccttgtcaag agggtccttc ggtgctttgg 300
cccctcggag ttttccgttg ccgtgaccat cttcggcggg cgtggccatg ccgggacatg 360
gggaaaggca cttggtgcag aggtctatga ctgcaacaac atggtggagc atgagctgcc 420
tggaggcggg ctctctgtgt accagagctt ctgtgctgct g 461

<210> 24563
<211> 210
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B5

<400> 24563

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ggttttttta atattttttt ttatttttat aaaatttttt atttatttat atttttatta 120
tttatttttt tattttattat aatatatttt ttaaatttat atattttaaa tgtattctat 180
aattttcatc tattttttca tttacaatat 210

<210> 24564
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B6

<400> 24564

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gtgtctctat ttaaaacgaa cctctgtatc atcagaccta tcattcaata tatctactat 120
aactcatatc acttttcaatc caattcatat ttcataaatc ctatccatct ctatccatat 180
tatacaatcc atcatatgct ccatgaccta ttcacctatc ctatttatca agttatagcc 240
tttcatacca ctgatctgta tcatgtccac catctcaaca ccataccttca attctt 296

<210> 24565
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B7

<400> 24565

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gcctcaacga gcttctgctc cgacgacgac gacgtgccgc cacatccaca tggcggacga 120
cgccgtcgcc ggccggagcgg ccgttcgctg cgcagggccg gcgccggcct cgctgtcttc 180
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ccagcacgac gtgatcatgc tgaggcggac gaggagcggg cgggcggttc cgccgccgat 300
ctccgtgatc ggcaagggcg ggccggccgtg gctctgcctg cgggcgcacc gcgaggtg 360
acgcctcgtg ctgcggcaga tgcgcctgcc gtcgcaggag ctgctgcagc cctgcaagga 420
ggacggcagg ttcaagctcc tcatgcaccc gga 453

<210> 24566
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B8

<400> 24566

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aaagcgtccg ggcccgttgg gtccttcgac atcaccaagt tgggcacctc tggcaatgg 180
aagacggata gcacgaacgc tatgcaggag gcgtgggcat cagcgtgcgg cgttaccggt 240
aagcagacga tgctcatctg caaaggcgac ttactagtcg gaccactcaa cttcacaggc 300

ccatgcatgg tcgacgtgac catccaggtg aatggcaatc tgctggcgac cacggaccta 360
agccagtaca aggatcatgg taattggatc gagattctac acgtggacaa ccttgtcatc 420
accggcaagg gaaagctcgt ccggcagctg ccagccttgt ggagcaagaa ct 472

<210> 24567

<211> 358

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A2

<400> 24567

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ctacactatc ctatactagt ctacttaact acacttgcag gctgcatcat gatgactcca 180
tgtctcactc tatccatccc ttggctctata cactctacca ctgcctggcc tatacaagtg 240
gcagctattc cacacttaca cacgcagtca ttaatgtata cctacttccc tgcatttgcg 300
ctgtcagctc tatatattaa agatcctact ctctactcac acgcgctact cagctaca 358

<210> 24568

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G6

<400> 24568

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gctgctgaaa ttactgacaa gcttggctctg cattccctgc gacagcggca ctggtacatc 300
cagagcactt gtgctacatc tgggaaggg ttgtatgagg ggcttgactg gctttccagc 360
aacatcttca gcaagtcttg aagcttttcg ggagggcttc taacgagagg atgtctgaac 420
aacttatggc tgcttttttt ttacat 446

<210> 24569
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G7

<400> 24569

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taatacttat ataaaaaaaa aaaaaaattt gaccaaactg tactgtgatg tgtaacaatg  180
ccacaacaca gtacttgaag gcaaacgtat gtagattaat tagcagaacg acaacctgtg  240
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<210> 24570
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G8

<400> 24570

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gttcctgggc tggctctgaa tctcagctt ccaaaagatc actgccattc ctagcacagg  180
attttgaatc agatattgac acaagacttc tgaagcttgt aaataagatt gcttctggat  240
cttgtgggga catgtttctt gggacctaca gtggtgagga ggttgctgtt aaagttctta  300
atcctcagaa tttgaacaaa aatgtatgga gtgaatttaa gcaagaaatc aacatgttaa  360
gggaagttga tcatccgaat attgtccgat tcattgggtc atgcacaaag gcacctcagt  420
tttacataat                                     430
  
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<210> 24571
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G9

<400> 24571

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cgcgcccggt cgcccgagg ccgaggaaga gacgaagcgg gagagagagt gacatggctg 360
cgcgattcc gatgcgtggg catgtttttg attcgacaca ctttttgtcc tctttttctt 420
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<210> 24572

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H1

<400> 24572

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tcgatacccg ggaataccgg gtgtttgtag gcacatggaa tgtgggaggg aagcctcctg 180
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tggggtttca ggagatcgtg cctctgaacg cgggcaacgt gctggtcgtg gaggacaacg 300
agccggcggg caagtggatg gagctcatct accaggccct gaacaggcc 349

<210> 24573

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H10

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gtttgggttg cttgggatcc aattgcagaa accgtcacca gttgggttgt gcatgaattt 180
atatgctgaa gcgccagcag ttgccctcag tatggacctc ttgcgcttta gcctttatat 240
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gtgtctgtat tattatctag tacacttgta gtggagccag tgtcaacctt caattgtgtt 360
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<210> 24574

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H11

<400> 24574

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catggggagc tcgaggacca tcgttgcgtc cccctgctc ctctcgccc tcctcctcct 180
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gagggtgaca acgccgcg aactgctgct agcgtcgatg cgcgtcgcg cgagaaggc 360
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ggagtcca 428

<210> 24575

<211> 210

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H12

<400> 24575

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cattgggagc ttaggatca tatttgcgaa accgctgcta cttgtcgtcc tcatgaatct 180

atattctgaa gccaccgccg atgccctcat 210

<210> 24576
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H3

<400> 24576

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gcatgcggta gtggagttgg tgcttctga tgataatata gccgtcgccg ctgctggcac 180
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gggcgccgac tccgcgcagt aaggatggcg ggtacaagaa catgcac 347

<210> 24577
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H5

<400> 24577

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acgacgacga tatacccca tgcatggcaa gaagatatat atatcagcac aacgcatgct 120
gcatgcgatg ctgcttggtg ctgcaattga tccactatac tatactatag gagtattatt 180
aattccagtt gcagcatgca tgatgatata tatatgtgtc tctatatgca tgcgttggtc 240
tatacaattc agatatgcat ggtgtatata agtggtagct agtacgcacg tacacatcca 300
ggcattaatt agtacgtctt cgcttgcat tgggctgccg gcttattaat taaagcacat 360
actc 364

<210> 24578
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H6

<400> 24578

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tcctaccct ctgtccatt cgtcgctccc ggccgcacca gctgtcgatg atgacgagag 120
ccaaggatg actggcacgg aatccccgc accatcccc atgagcggat cgatattatt 180
cgcagagggtg gaccgcttcg cgggagggtgc gggctcccct ccacgtcgt cctcgtcggc 240
ccaatcgccg atcgggtcga ccccggtttc tcaaactatt ttattacaag gacaacctac 300
ccagcgggag caaggttcta tcatgcctat ggatattgct actgtgagaa acacaaatgc 360
gaatgtggca gtgccatcat gggacgatac tcttgc tctctt 406

<210> 24579

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H8

<400> 24579

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ttcaactgat cgagaattac aggaccatat cagacagtgg gaagggtcct atgggcaggg 120
tgtactccgt aggatgccgg atggtggcga gaagatgcat tcacgtgtcc tccggatgaa 180
gaaggagctc gagcggcgga gggccagaca gaggatggat gtcacgccct tgagacagac 240
agtgcaagct aagcgtactg gtggcagcag tggagaaatc tacaacttaa agtctgatga 300
tgagaccatg gacagtacgg ctagcaaaca ctatccaaac tcaagttgta ctacatctac 360
aaagacctat acccaggtta aaggagctgc atatgaagaa ca 402

<210> 24580

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H9

<400> 24580

cggacgcgtg ggcggacgcg tgggtgcgg tctaggccag gcacgcgggc gcggcggcga 60

ggcgggctca accgcgacag cccgaccaca gcagtgcggg ggcgcggccc ctggttaagcg 120
agcgggcgcg acccccggtc cgggcgcgac agctcggcgg ctacacggcg cgcgcccag 180
ctcggcgtct cggacgcggt cgaccgaccc tgctagcgta gacaccggcg cgcggccttc 240
ggccagagtg caggcacgtg gcccctgcag cacggaccca gcggctcgtg atctctggcg 300
acctatcgag ttagcgtggc ccgacgcgag tacatcggct tctgcgcgcg gacgcgaaca 360
caccgacccg tcgagc 376

<210> 24581
<211> 152
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A1

<400> 24581
caaaaaaac acatgaaaat gattactacc gattaccacg accccaata atcgcaccaa 60
ttgtgcggcg tactaaaggg ggtgcaccgg tacttcggat ccagacgcgc cgatggacgt 120
gcgctagcgg atcgcttacc tattcgcgat cc 152

<210> 24582
<211> 376
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-A10

<400> 24582
cttcgcggag gccatgtcgg cgcgcgtcgt cagctcctgc ctaggcctgt acgcgccgat 60
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gttcaacggc atcagcccct tcgtcaagtt ctgcacttc accgccaact aggccatcca 180
ggaggcgttc gagcgggagg agcgtgtgtg catcatcgac ctcgacatca tgcaggggct 240
gcagtggccg ggccctcttc acatccttgt ctcccgcccc ggcgggccgc ccagggtcag 300
gctcaccggc ctgggggcgt ccatggacgc gctcgaggcg acggggaagc gcctttccga 360
cttcgncgac acgctc 376

<210> 24583
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A11

<400> 24583

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tgctcagagc agtgtcaggg cgcataagac ctgcttctgt cgattttttc tctgatcatt 120
tgccgctcaa accattcatc aagcttttac tcgtcagata gattgttcaa gtcaccggag 180
cacggcatgg acttcagccc tcaaagaaag agcggcgaac gcgatcccg t cagcttcgtc 240
gaacacgatg acagtgatga cgacttcgga gctgaatcca ccgcctctaa taagccgtct 300
gcgcattcgc acgacaggac caaatccaag cccaagacga gccatggcag ttcaaccac 360
gcga 364

<210> 24584
<211> 293
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G5

<400> 24584

aaaaaacata aaatcaaaaa aaaacaatta aaaaaaaaaa aaacataaaa aaaaaaagag 60
gaaaaaataa aaaaaaaaaa aagaaaaaaa aaaaaaaaaa aaagggccag ccgtttttta 120
gtccccaagt ttaattccgc ttctttccaa ttctttaatg tttttatcgt gatctctaaa 180
ttcaatacct tgaccttctt ttaacactat tcagtctgga aaatcctttg cttgctcgat 240
ctaattcggt ttgtgtccga tctctttttc tccagctggt tcaatcttaa aaa 293

<210> 24585
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A12

<400> 24585

cccacgcgtc cgcgtccccg tcccccgct ctaccatgct cctcgcccct ccgaacgtgg 60
tctctccat ctacgccac aaccaatgca cgcctccggg ctacgccgc gccaaagccc 120
tgaggagggc gatctcgccc acaggccgca gatctccttc caaactagga ggcaacagcc 180
tggcaagggg cgaccttgca tggtaggcgg cccctttcca caaaggacac aatttcaccc 240
ccttccatat ttggcgggtca tggcatgcac taagccccct tctcgcccct cattccaaat 300
tcagccctca actgtgcatg caccacctc aatcgactgc tattgtctga atcgacagtg 360
ctattggtct ggttggttgg gacttg 386

<210> 24586
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F1

<400> 24586

accgtcgttt ctcggtatat attggtgtct atcttctgtg ccatgggtaa ccgacaactg 60
cataaggaag gcatgatgtg cacatagtgt tttttgctgt gcatgtatgt gcctgtcacc 120
ggagtccggt gggcagcagc cattgcaatt gtttcttgtg tagaggaaag ctacatatta 180
tgaagtgatt gtgagaactc aattaaagat gtgaacttaa cataaaaagt gcttcttgtg 240
ggtttggcta tgaccttgta ggtctatgag aattcggtgt ttggattggt gtttatttgt 300
ggctattctt gtgtcttgac atgaattcag ttacgacgag tattttatgg ctatgctaata 360
gtaatatctt tg 372

<210> 24587
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F10

<400> 24587

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cgagaacctg ctggtgctcc tgaatcgccg catcccgatc gccatgccca ccgtgctctc 120
ggtcaccatg gccatcggtc cgcacaagct gtcgcagcag ggcgccatca ccaagaggat 180

gaccgccatc gaggagatgg ccgggatgga cgtgctctgc agcgacaaga ccggcacgct 240
 caccctcaac aagctcagcg tcgacaagaa cctcgctcgag gtgttctgca agggcgtcga 300
 caaggaccac gtgctgctgc tggccgcgag ggcgctcgagg accgagaacc aggacgccat 360
 cgacgccgcc atgggttgga tgcttgctga ccctaaggag gccagggctg gtatcagga 420
 gatccacttc ttgcccttc 439

<210> 24588
 <211> 352
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F12

<400> 24588

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 gtgctaataag aacgcgagtg accatcagcc ggactacgat cctagcgctc atggatacac 120
 taactgccac ggacgtcgat tgccacaact catctcacga tcgactatgt agatcaatac 180
 ttgtccaaac gcacgccaga ttcccgacac acgaacatct gtagcacgct cattgatcac 240
 ctaatctcca atgcctcgcg ctttcacacc aacgtgcatg cacacgccta taggcgatga 300
 tccttcctgc cggacgaggc atcagctacc ggtattacca aagcgcaagc tc 352

<210> 24589
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F2

<400> 24589

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 ttcaagatgc agatctttgt gaaaaccctg accggcaaga ctatcacctt cgagggtggag 120
 tcgtctgaca ccattgacaa cgттаaggcc aagatccagg acaaggaggg catccccca 180
 gaccagcagc ggctcatctt cgctggcaaa cagcttgagg acgggcgcac gcttgctgac 240
 tacaacatcc agaaggagag caccctccac cttgtgctcc gcctcagggg aggcattgcag 300
 atctttgtga aaaccctgac cggcaagact atcacccttg aggtggagtc ctctgacacc 360

attgac 366

<210> 24590
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F3

<400> 24590

gccaccgtcg cgaccgtatc ggaccgggga tcacttatca gcatactcgg cttgaggcac 60
ccatacgtac cctagatggt atctcattac cttgtaaccc ctgaatcact tgggtagtcg 120
ctatgcttta catggttttg ggaaatcatt tatcacctct atgttcatt cttgtattta 180
ttctgttgag ttcattgtgt tatcataatg ttaattggaa catatagctt 230

<210> 24591
<211> 77
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F4

<400> 24591

aagaactatg tggttcgtaca tgttactgac cttatcatta tttgtacatc taaatttgga 60
tttagaatgc tgatgat 77

<210> 24592
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F5

<400> 24592

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gtgggcgcgg cgctgcgtgt gggcgctcct ctgttcggca ggaatcctcg ttgcctcctc 120
actactccaa tctccatcgc cattgtcggc gcaagcaaag gggcggagca gcatggcggg 180
gcgctatgac ggcaaccctc tcgaggagga agacgtgaac cctttctcgc aacaaacgcg 240
cggcaaggct ggcgggcaat ccaactttgg cggtggcgcg ttttatatgc ctaaccccca 300

aaacgtgcct ccgacatcca attcacgcct ttcgccgctc cctactgaac cggcagactt 360
tagtgctaca 370

<210> 24593
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F6

<400> 24593

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gcgccgccga ggagctgccg gagagcgtcg actggaggga gaagggcgcc gtcgcgcccc 120
tcaagaacca ggggcaatgc ggaagttgct gggctttctc tgcagtaagc tcagtggaaa 180
gcgttaacca gatcgtcacc ggtgagatgg tgacactgtc tgaacaggag ctcgtagagt 240
gctcgactga cggaggggaac agcggctgca acggcgggct catggacgcc gctttcgatt 300
tcatcataaa gaacgggggc atcgataccg aagatgacta cccttacaga gccgtggacg 360
ggaagtgcga catgaacagg aaaaatgcc aggttgtgag 400

<210> 24594
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F9

<400> 24594

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ggcacgcgcc cttctccctg cttcatctg ctccatctgt tcaagaacac gccagagaat 120
tcaagtgtcg cattgcactt gcactccgtc gagccccgat ccatgcctgc gcctgcccct 180
gccatcgccg tcgtcgtgcc gccgccgccg tcgccatcgc ttactggctg cgacggctgc 240
tactgactga tcgtcttgga tgtagctata ggtacctctc gattggcatg ctgttctgat 300
aacttctaac gagcctcgaa cacaaaacaa agccgctctg ccaccggctg cactggcgc 360
tggaagcaac gacctctcgt tagccaggat ggcaatcgcg gtcggccatt tccatggacc 420
taagcccccc 430

<210> 24595
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G1

 <400> 24595

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 gagagcctag gactgactca ctgacccgaa cccgttcccg gcgggacttc ctctcgaatc 120
 gtcccagtcg agaccctagt tgccccacga accgaggatc caagatgagt ttctgttctg 180
 ggaagaggaa gacgcccgcc gagctgttaa gagaaaacaa gagaatgcta gatcgatcca 240
 tcagggaaat tgagcgagag agacaaggat tgcaggccca ggagaaaaag ctcactactg 300
 agatcaagaa aacagcttaa gaaggccaga tgggagctgt caaagtaatg gccaaagatc 360
 t 361

<210> 24596
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G10

 <400> 24596

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 gcttgagggtg ctaccgcgc tggacaccgc gaagacgcaa tggtagcact tcaccgccat 120
 cgtggtcgcc ggcattgggt tcttcaccga cgcctacgac ctgttctgca tctcctcgt 180
 gactaagctg ctcgccgca tctactacac cgtggagggg tccgcgacgc ccggcaccct 240
 ccgcccgcac gtgtccgct ccgtcaacgg cgtggcctta gtgggcacgc tgtcagggca 300
 gctcttcttc ggctggctgg ggcacaagct cgggcgcaag aaggtctatg gcatgacgct 360
 catgctcatg gtctctgct ccgtcgcgtc agggctctcg ttcggccaca ccccgcgctt 420
 cgtcatggcg ac 432

<210> 24597
 <211> 424
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G11

<400> 24597

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ggcgccctgcg caaccaagcc caagacgctt gaggggcagg cccagctga ggccgccgtc 120
tccacacca aggttgccgc cgaggccact ccaatctccg ttgaggttgc ggctgatgaa 180
caggtagctg agaaggttgt ggtggaggag cgggctgcgg cggccgacgt tgagcatcag 240
aaggctaattg aggtgctcgc tccagaggcg gccgtcgccg agcccgacca caaggaggag 300
gaagccgtgg agaagaccgt cgtcgaggaa gagaagccag cggcagcagc ccatgcagag 360
gaaaaggctcg ccaccgtcga cgagaccacg acgacgggtg aggcgaaaaa gaacgccgag 420
gaag 424

<210> 24598

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G2

<400> 24598

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gccacaccga tgtcgcatag tgcttcatca agtggcatca agtgggtgcga gaacaattgtg 120
atatggagct cactctcctc aagcttggtg cgtcatggaa aggaagcaat gaagcagaga 180
gacatggagc tgcaagctgt gcttgatgga ctgctagaag catctgcctc tgagaagttg 240
ataaaatgcc tgagcaaata ctccgaacta cattctgaca aggacgacga cccaaaggag 300
gtcatcagca ggttcttgaa attctctcaa gaactggatc atgccatctt cattgctcag 360
tcacaggcca gactcaagca ccc 383

<210> 24599

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G3

<400> 24599

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cgcgagggaa gcgcgaccct cgccactacg ctgaggccac cgacgccatg gacaaagtcc 180
agatcgagaa gaagaagcag gacgacgccc tcgacgacct cagcggcgtg ctgggccagc 240
tcaagggcat ggccgtcgac atgggctccg agcttgacag gcaaaacgaa gcgctggatc 300
atctgcaagg cgacgtggaa gagctcaact tcagggtgaa aggag 345

<210> 24600

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G4

<400> 24600

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ccatagggaa gcgcgaccct cgccactact ctgaagtcac caacaccatg gacaaagtcc 180
agatctgata acaatattct ggacgactcc ctttacaaca ctcaagtgtta tgctgggcca 240
gcttaatgtc ttggtcattg acatggtcta cgagctttac atgcaacact 290

<210> 24601

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D3

<400> 24601

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aatgttacaa agtttgttgg tgcatttatg gggaccacag accttaagat tccatcaaac 120
aattccaatg gtgctgcacg tacaaatttg ccagcaagag catgttgtgt tgtggtagag 180
tatcttgctg gaggaacttt gaagcaatat ttgataaaga atagccgacg gaagcttgct 240
tataaagttg tgggtccagct tgcattggat ttggccagag gattgagcta tctgcactcc 300

agaaagattg tacatcggga tgtgaaaagc gaaaacatgc tgcttactcc acagagaaa 359

<210> 24602

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D4

<400> 24602

cccacgcgtc cgaaatactt cagaatctct gtggagggtcc aaacattgtg aaattgcgtg 60

atattgtcag ggatcagcat tcaaagactc ccagtttgat atttgaattc gtcaacaaca 120

cagacttcaa agttttgtac cccacattga cggattatga catccgctac tacatatatg 180

agctactcaa ggcccttgat tactgtcatt ctcaaggcat catgcatcga gatgtcaagc 240

cccataatgt aatgatagat catgagcttc gaaaacttcg gttgatagac tggggccttag 300

ctgagttcta ccatccaggc aaggaatata atgtccgtgt tgcacgagg tatttcaagg 360

gacctgaact ccttggtgat ttacaagact atgattattc tttagacatg tggaagcttg 420

gttgcattgt tgctggaatg at 442

<210> 24603

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D5

<400> 24603

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ctcgtcttct tcctggagag aaaaagcaga agacaatata aagatgtcca agatggcgga 120

ggagaaggcg gcggcagtgg gcggactcgg aggagccggg gcggcggacg cggcgagca 180

gcagcagctg gcagcagggg aggccgcggc ggcgcgggtg cggcccgtgg agacgctgct 240

tcgcgcggca ccgctggggc tctgcgtggc cgccatgacc gtcattgctc gtaaccagca 300

gagcaacgag tacggcgccg tcgctactt cgacctggga ggcttcaagt accttgctta 360

cgccaacggg ctctgcgctg gct 383

<210> 24604

<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D6

<400> 24604

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gacccaagg ctttcgcaa catctgccgc gaccgtacgt ctgcaccacg cgcgcgactt 180
tgattgatct ccgtcttcc tcacgtcgtc tgctttacga attgacgacc cgactgctcg 240
gttccgctgt tgctcgtttg tgctctctc agggatactg aaggacctgc ttaagcctga 300
caaggataag gagacaaaa gctcatggaa ggtacatagg cgtaatat ttgtcgtccg 360
tgcgcatgca gcttgatcta tgcacattct ggtggtactg cttcatgtgc tcagattcct 420
actatctttc attttttg 438

<210> 24605
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D7

<400> 24605

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caggaatcgc gacagcgtgg gaggcgtacg gcgcaccgcc cggccgccgg atctgcgccg 120
gcgacgcgcc cggacgtcgg atctacgcc cgcaggagg agggaggcgg cgctctggcc 180
gttccttgcc cgcgagcgcc cagatccgtc ccgccgccgg atatatat caatcaatgc 240
ccctgtgata tcgatgttca gttgatgcag tggtgaaaac atcttctcca aaaactgctg 300
gctgcaagtt gcaaaaattt gtctttccct tgttgtgttg ttgcttcctt ctctggtgga 360
gtacacggg 369

<210> 24606
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D8

<400> 24606

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aacaaaacac aaggcggcgt ccgcagcttc cccactccac gttccgtgtt tccgactccg 120
gtgactccac caccagcaac ccgtgcagcg agcgcactcc gaccatcgcc atgtcgaggc 180
gcggcgactg ggtctacgag aacaacggcg ggacctgctg ggccatcgcc ggcgctgatt 240
actgtgtcgt ctctgcggac accgcctct ctgtaggata cagtatcctc acgcgtgatc 300
actccaagat ctgcgacctg gctgacaaat gtgtactggc atcttctggc tttcaagggtg 360
atattaaggc tctg 374

<210> 24607

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D9

<400> 24607

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cggaatccga accagctccg gccgttcacc tgcaccggga acccgctcca ccgcgcccac 180
ggctccgcgc ggtgggcgca gggcgacacc gtcgtgctgg ccgctgtgta cgggcccgaag 240
ccgggaaccc ggaagggcga gaaccccgag aaggcctcca tcgaggctgt gtggaagccc 300
aagaccggcc agatcggaag gcaagaaagg gaatatgaga tgacactcaa gaggacgttg 360
cagagcatct gcttgctcac agttcctcct aacaccacca cctctgtcgt gcttcagggtt 420
gtgggtgatg atg 433

<210> 24608

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E1

<400> 24608

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 cgtcggcgct caagtcgtcg ctgggcgtct cgcaggaggg gctcaactgc ctggccacgg 180
 cgtcggacct gggcaaggcg ctggggtggt cgtcgggcct ggcgctgctc cacatgccgc 240
 tccacgccgt gtcctatgctg tccgccgcga tggggctcgc cgcctacgcc gcgcagtact 300
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<210> 24609

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E10

<400> 24609

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 gcacctatga ttgacaaccc agatttcaag gatgatccgt acatttatgc atttgacagc 180
 ctgaaataca ttggcattga gctgtggcag gttaaatacag gcactttgtt tgacaacatc 240
 atcatcactg atgatcctgc gttggccaag acttttgcag aggagacatg gggcaagcac 300
 aaggaggcag agaagactgc tttcgatgag gctgagaaaa agaaggaaga agaggaagcc 360
 gccaaagggtg gcgatgatga cgatgatgac ctagaggatg aagcagacga tgacaaggca 420
 gacgatgaca aggccgac 438

<210> 24610

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E11

<400> 24610

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 gaatttctcg atggatcatc tgttactgcc gcgaaacgcg gtgatcccg cccacaacca 180

ccctgggatg acagtgttca gcaagctgct cctggggctg atgcacgtca agtcgtacga 240
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 ttcgctcctcc gatggcccat gcctgaagct agcgggaactg gtggtggacg acgtcttcac 360
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 cgtcatggcg ccct 434

<210> 24611
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E12
 <400> 24611

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 gagagaagat aagagaacga ggggcagggc agccagcgcc gctagctgaa gcaaggcagg 120
 gcaagagaat ccgtacgtcg aggtgcaggt cgtaggtagg atggacgcgg accagcaggg 180
 cgtggttgcg gcggcggtga agccggcgct ggccaagggg acgccgctcg cgtcgttccg 240
 gctccgcaac gggagcctga acgcggtgcg cctccgccgc gtgttcgacc tgttcgaccg 300
 caacggggac ggcgagatca ccgtggacga gctgggcgag gcgctggatg cgctgggcct 360
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 gggc 424

<210> 24612
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E2
 <400> 24612

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 ggctacggcg gtggcaaccg tggcggcggc tacggcaact ccgacgggaa ctggaggaac 180
 tgagcgggtg ggcccgcgcg gccaaattat cctgttcgct accgtgttgt ttaccctagt 240

ccagagtgtt tatcttcgtt cgtctcgtgt ttgttggtgc ccatctgtgt ttttgattga 300
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 tcaaccagca tgga 374

<210> 24613
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E3
 <400> 24613

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 cttgtttcat ataactccaa gcacaatgat gcaaattggag aaggtggtcg tgatgggtgc 180
 aatgacaact acagctggaa ctgtggcatt gaaggagaaa caaatgattt gaatgtgcta 240
 agtcttcgtt caaggcaaat gaagaacttc catgtggcat taatgatttc ccagggtact 300
 ccaatgatgc tgatgggaga tgaatatggt cacacacgtt atggaaacaa caatagctat 360
 ggacatgata cttaca 376

<210> 24614
 <211> 204
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E6
 <400> 24614

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 taggccacca ccccgcatga ttacgttagc atttatgctg gtataaccaa attatataat 180
 tttcatatac tatgcaatga atct 204

<210> 24615
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E7

<400> 24615

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gaggagcccc accgggctca ctgggatttc tcgccggtgt tggcagacaa cgccgacccg 180
ccgtgcgccg tggccaagct tctactgccg ctcctctttg gagaacgac cggtcgaaga 240
gcccgaggaa ttgcgaggag aagcccctga gcagcagtcg ttggtggag gttgtcagca 300
ttgcaaccac tgctcaggcg aagatgaagc tgtggaagga gacttccagg agttccaaga 360
ttacgacgag ttctaggtgt gg 382

<210> 24616

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-006-Q1-K1-D2

<400> 24616

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tacactacat tagagagagg tcgagcggcc ctcctccgat ccgccggccc gccgagagct 180
agctgctgat cggtcgagga gagtcatggc gacgtcgacg atgcgcggtg ccgccggcgt 240
gctgctggtc gtgtcggcgc tggcgacctt ggcccggggc gaggaccctt acctgttctt 300
cgagtggaag gtgacgtacg ggaccaggtc cctgctggga gtgccccaga aggtcatcct 360
catcaacggg gaagttccct ggcccagga tcaactgggt cttca 405

<210> 24617

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B9

<400> 24617

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gttttattat aaaaaataca gacttgatag tg

92

<210> 24618

<211> 346

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-006-Q1-K1-C1

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gcagaagcag cgggtcgacg cangtggatg tcctcctggc cggcgtggtg attgggggtcc 120

tggcatttag cctgctgatg tgcacgccc cgtgcgtgtg ctgcgccaag aagaagagga 180

ggaagaagcc cccgcacatg aacatgccgt actacaccga cgagcacggg aacgtcttct 240

acgcgaacag catgcccaag tggcagagca gcgcgatgga ccacggctgg cacgcgccgt 300

actcgcccg c aagcggggac atgagcggct cgcacggggc ggggct 346

<210> 24619

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C10

<400> 24619

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cgcacctttc ttgtggtggc tagatcggtt tgggttccag aagaaccatc aaatgcggat 120

gacataagag gtgcttgcat cgaggagtgc accaaagaaa ataaggctcc tggcgacaag 180

aagacatgcg aagtgttggt caccaagctc acaaaaaagc ctagcgaaga aggcaaacat 240

gattgatgaa gtagcactcc gataatatat accctagtgg atgagtggct atctttgtag 300

ccatgtctgc cacacgatgg ccttgattat attgtcttat tgttttggtt ttgggtttcca 360

ctagtatcct aattccttgt tcatgtaacc taatgtcact caaagcattt tatatgcttc 420

acttaattaa ataaa 435

<210> 24620

<211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-C11

 <400> 24620

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 agactgctgt tataacaatg ttcttggttg cagatctggt tccagatcta gacctccaa 120
 tgttcctcct ctgatgcctc agttcatgag ggctcatggc agcatcagcg aacagtacca 180
 acagaattca tcatctagct tatttgctgg ggcccatagg tcaggaggca tgcgacctgc 240
 cccaacacct ctaccagaga accccacctt taccttggtc ccgccagggt catctggcca 300
 tagctcgatg gagactgatg atgctggggg aagccgggtt tacgcctggg agggtgaccg 360
 gtttgcccca taccggttga tgccggtaga ctgcgagaca agctggcgga cctcacagca 420
 gcagtccac cag 433

<210> 24621
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-C12

 <400> 24621

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 ggtcctcttc tgcacgtgc atggtgagaa ggaagagtca aagggcatcg atgcgaaagc 120
 gtccgggcct ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac 180
 agacagcacg aaggctgtgc aggaggcatg ggcatcggcg tgcggcgga ctgggaagca 240
 gacaatcctc ataccaagg gcgacttcct tgtcggacaa ctcaacttta caggcccttg 300
 caagggcgac gtgaccatcc aagtggatgg caatctgctg gcgaccacgg acctaagcca 360
 gtacaaggac catggtaatt ggatcgagat tctacgcgtg gataacctgg tcatcaccgg 420
 caagggaac cttga 435

<210> 24622
 <211> 366
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C2

<400> 24622

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cacattgtca cctatgcttg ctgggttattt ggggtgctgat gttgatccaa cagataccag 120
taacaaaact tatagtgtgc ttcacacgcg ttgtgcatgt cacattatta acttgatagt 180
gaagtgtggg ttgaaaaggc ttaaggatta tttagatgtg tttaggactg ctattaattt 240
cttaaactct tctaaccaga gaattgggtc atttagtaat tactgcaaag caaaagggtg 300
tagacctaga aaatttgggt taaacatgga tgtagatgg aattcaactt atcttatgct 360
aaaaca 366

<210> 24623

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C3

<400> 24623

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gcatcggcag cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgtcaagg 120
attgcactct taagaagacg atgttcggcg tccgcatcaa ggcgtagcag gacgccgcct 180
ccgtgctcac cgtctccaag atccactacg agaatatcaa gatggaggac tcagccaacc 240
ccatcttcat cgacatgaag tactgcccc acaagttgtg tactgccaac ggcgcttca 300
aggtcaccgt caaggatgtc accttcaaga aca 333

<210> 24624

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C4

<400> 24624

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 tgcagcatct gggcctggca ggggcgagaa gataaacata aaggatgacg tctcggcagt 180
 gaagaagggt ggctgctgct ctagctgagc tgccgtgctg taattttttt ttgggagttg 240
 tgggatgtag cttatgttat ggcattttca gcgactggaa attggtagtg gcatttagca 300
 gcctctatta cctagagagg taattgtcaa actgaaaaaa aaaactgaag gttagatcag 360
 tttagagctc tgggtact 377

<210> 24625
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C5

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 accgccccac aggtagcgga ggcaaagaag aagagagcgg cggagagcgg cgaggcggcg 180
 gaggcgaaga agatccagga cgacttctgc togacgctgt gcgagggcaa gaaggggacg 240
 gacctggctg tgtgcaagga gtcctgcgct ctctcccagc agtccaacct ggtgctgtac 300
 ggcaggatcc agtgcaaggg caagtgcacc gagcagaagg gcatcacggc gccggccatg 360
 aaggtctgcc aggaagagtg cgacaaggcg tacgtggtg 399

<210> 24626
 <211> 373
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C6

<400> 24626
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 ctagccaacg agcaacgcta cattgatgat gatgaatagc tgttcagatt tgtttgtcag 180
 tgacctgtat ttttttgcaa catgttgtca gtacacatgg tcaggactgt ggatccccca 240

tgacttagtt gttgctcag cttccacatt tcaactgtgg ccttgtaata aaatgtcggt 300
 gcccaatgga tctgatggat cacaattgta agctacaaat tatgggcttt gaatatgatc 360
 gcttactttc tct 373

<210> 24627
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C7
 <400> 24627

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 ttggccgcct gcgcgcagac gaggcgcggc acgcgggtcca cgagcccagag gacacggcac 180
 atctcgaacc ccttgtagaa ggcgtatatg ttccccaggt tgctccccgg cagcatcacc 240
 cagtcgggca cctcccagtc gaactgctgc agtatctcga tggccgccgt cttctgcccc 300
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 ctgatgagcc gcatgcaccc 380

<210> 24628
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-C8
 <400> 24628

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 ccacagttcc acacacacgt ccagctgcac tgcaccaatg gccgccgtcg aggtccaggt 180
 cccgactgcc gctcccgtcg aggaggctgc tgctgctgct gcagcgggag tggaggctgc 240
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<210> 24629
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-C9

 <400> 24629

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catgaaaaca tacttgatgt caacttatac tattgcaatg caaaactctc ccagtctaca  180
actacaagct acgcgatgca attgctaatt acagtctctg acacttgctg ctcatgatct  240
ctgaaaccct tagcatcaga acacgatacc actgatactt ctctaaggaa agacagttga  300
tcaacattaa acactcacat tctatatcat ttaccatta aaaggaacat ttgcattgca  360
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<210> 24630
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-006-Q1-K1-D1

 <400> 24630

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tgaagagtgt agatagcaat ttctctagca cttcaaggaa ggatatctct gaagatacaa  180
gagaatttTgt tggagagctg aatattacag tcgtgaaagg tactaacttg gccgttagag  240
acatgctaac aagtgatcca tatgttgTtt taacactcgg agggcagaaa gctcaatcga  300
cagttaaaaa aagtgatctn taatccgtat ggaatgaaat gcttaagatt tctgttcctc  360
gaaatta                                                                    367
  
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<210> 24631
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D10

<400> 24631

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cagatctcca ccgccgccgg cgagagcacg gcatcagatc cgccgcgatg gcgttccgcc 180
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cgggtgcgcgc tcccgtgatg ccgtacgata gcatcgccga agccgttaac gccaggctcc 360
ggcggttga gcaccagac ccgcgcttcc tccgctatgc aagccccgtt ccgtcccacg 420
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<210> 24632

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D11

<400> 24632

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aacggattgg agaactgaaa tccaggaaga attagccgat gctgctggtt gtaacgacgg 360
tgaggatggt gatggcagca gtatatcttc aaactttatt tcagtaaagt gctgggctgg 420
aacctttag tag 433

<210> 24633

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D12

<400> 24633

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cagatgggct ggtgtgtatc tctattcttc atccacctgg tgaagatcca agtggttatg 360
agctcgcaag tgagcgttgg acacctgtgc atacagttga aagcatagtt ctgagcatta 420
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<210> 24634

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B6

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tctactgaga caactgacga gccggattcg agacaaacgt gtcccacgcc atccaaggct 180
cgactgtgga gatggagtgc cgtcaattcg agtcgcaaca ggtccacgac aaggcgggatg 240
cgaatacggg ccccggtgc tggtagacga tggagatcag cggcgaccac caagacgaga 300
tctgcgacgt gcgctgctc aaga 324

<210> 24635

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A10

<400> 24635

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agtcataaga accaaatata tgtacgttgt tcttgagacc ttgtggtagt cgagatgata 180
ctttcacttc tccccaatgc ctggagatga tgattttaga gtagcatctg ttaacacatg 240
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ctggacagaa atgtctatgg caagggtgcc cgttggcgta tgtacctgta agagtatctg 360
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<210> 24636

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A12

<400> 24636

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gttcattca aaggcgcccc tggcgtgggt gtctaccgaa ggcgatccat acttcattct 180
cgacaacgtc aacgagcgag atgtctgggc tgagttccag gcacaggacc atttggccta 240
gaggagcgcc gaagtggcca acctgacgtc ccggtgcaag ggactgaagg aggaggggtgt 300
agccgaccgc aaggaggcct gtcgactgag ggctgaggtc cttggtctga aggcagaggc 360
agaccaccgt gaggaggtgc tacggtgggc gcaggagggc cttcaagcgg tgacggaaga 420
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<210> 24637

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A2

<400> 24637

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aaggggccga gtgtggtgaa ggagatcttc attggactga ccctgggtct gatcgcgagg 180
ggcatgtgga agatgcacca ctggaacgag cagaggaaga ctaggtcctt ctatgacatg 240

cttgacaagg gccagatcag cggtgtcgtc gaggagtaaa gagttcttcc cagttatttt 300
 caaagaactc tctcgagagc atgacaaagt gattgcttgc tgtggagatt tgtcctggaa 360
 ataagcccaa ccatttgga acaccagatt tt 392

<210> 24638
 <211> 118
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A3
 <400> 24638

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 gagaaaaaaaa aaaaaaaaaa aaagaaaaaa aaaaaaaaaa aaaaaacaaa caaaaaaa 118

<210> 24639
 <211> 269
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A4
 <400> 24639

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 tgcccgcgtc tttgatgctg gctcctcgg cgcatcggc atggccggcc acgcggaaga 120
 cgccgaggtg cggttgcagg agatggtggt gacgtgcggt gacgagagcg tcgacagcta 180
 cacgctcacg gatgctgttg tgtacgttta attattggga tgtaattatt agtgatctgt 240
 gcagataaga ttttggggaa aaaaaaaga 269

<210> 24640
 <211> 405
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A5
 <400> 24640

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tcccttcaac acaacatagg tcatacgaaag gatctcggac gactcaccaa agcacgaaag 180
ccagttagaa aatggattcc tatttgaaga gtgcctaacc gcatggataa gctcacatta 240
acccgtcaat tttggatcca attcgggatt tttcttggga agtttcggga agaaattgga 300
ataatatcga ttcatacaga ggaaaaagtt ctctattgat gcaaacgctg tacctagagg 360
atagggatag aggaagaggg aaaaatcgaa atgaaattaa ttaag 405

<210> 24641

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A6

<400> 24641

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ggtgggagac ggcgagcgcg agcgacatga ggaacatggc ctcgacggcg acgagctggc 180
cgttgccccg ccacacgggc gcggcgccga agacggcgac ggccttggcg aggacgtagc 240
agacggagggc ggcgctgcag gcgacggcga cccacctgta ggcgggcgccg tcgacttcgg 300
ccggggcgta cgcgagaggg atgatgaggg 330

<210> 24642

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A7

<400> 24642

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ggcctactgc ggaaagtaca aggatgagct catcaagaat gctgcctaca ttggcacccc 120
tggcaagggc atccttgctg ctgatgagtc cactggcacc attggcaagc gcctttccag 180
catcaatgtc gagaacgttg aggagaaccg ccgtgccttc cgtgagctcc tattctgctg 240
ccctggtgct ctccagtaca tcagcgggtg gatcctcttc gaggagaccc tgtaccagaa 300
gaccaaggat ggcaagcctt ttgttgatgt cctcaaagag ggaggcgtcc tccttggcat 360

caaggttgac aagggcacca ttgaagttgt tggcactgat 400

<210> 24643
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A8

<400> 24643

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cgggtggcgga ggcggcgcg gctattccac cccgagcgag gcggcgccat ccacgcctgc 180
cgctggggag acgactaccc ctctcgcagg cggcggttac tccactccta gcgtggcggc 240
gccatccacg cctgccgctg aggagacgac gacgactcct tcgtcaggcg gcgggggtta 300
cggcgggtgca accggcaagg ctctcgcagg cggcggtga ctggaccccg acggtgacct 360
aaaagttggg ctg 373

<210> 24644
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A9

<400> 24644

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ggacatgtgt tccacttct gtccgtccaa aagcttcac acttcctaga acacctccat 120
gtgttggatc aaaaggaaat tcagagaaca gtgtggctag aagattctca actggaactc 180
tatctacaat gaaatctcat agcaatgcat ccgcaaaatt aaatggttta tctaagactg 240
gtgtacaaag aaaacttaat ttggatcgtc agccatccca aaagggtatg aagccaaccg 300
agactagtaa taaactaact acgaatcggg taccagctcg gaatagccca gggaatcctg 360
tacttaggca ttcacggagc ttgcctgaaa ctggccgagg agcaatacag aaggtctcat 420
caattacaga gaaacta 437

<210> 24645
 <211> 368
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-006-Q1-K1-B1

<400> 24645

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cgatggctcc caagatccta gtcacacctg tgttctctgc cgtggcctca ccggctgctc 120
tgcccgccctt cgatgtgata gagatgctgg ccgacaagcc cacgtactcc acgttctctga 180
agctcctgca ggacaccaag gtcgcggggcg aggcgaaatca gctccggctg gcgacgctac 240
tggtcgctcc cgacaaactt gccaaacctc tggcgctcgt gcccgccgat aaggcgcgcc 300
cggcgggtgga gaaccacgtt cttctcaatt acttcgaccc catcaagctg gacgagatta 360
agacacgc 368
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<210> 24646
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B10

<400> 24646

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gggtgctcct cctggccgcc atcgcggtgg caccgttcgc gggcgccgca cgcgtggacg 120
tcgtggaggg taggtccatg gcatccgccg atgcaccgga ggccggcgcc gatgctcccg 180
ctcctagccc cgactccgcc tcatccccag actcatcgtc agaggcgccc tccagcagca 240
gtcctccgca ctagacgcaa aaacctcttc attctctgga ataactaaca gtatatacgt 300
tgcacctga tgatatagaa acatgtacgt gcatcagtgt atggaatgcg agtggcaaac 360
acatggaatg tgcttgccca attattgggt atttctttat ttattatatg tctctctcgg 420
gtggttttta tttttc 436
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<210> 24647
 <211> 312
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B11

<400> 24647

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aagaaaaata ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 120

aaaaaaaaatt cggttaagggc ccaatttttaa aaatccaaat ttaccatccc ttttattaaa 180

actataaatt ttttttttgg gtacctctaa ttaaattact tggcccctaa tttaaaattt 240

atcaatttgt aaaaccctta gattcccaaa ttttaattatc ctttgaaata aatccctttt 300

tataaatttg ac 312

<210> 24648

<211> 416

<212> DNA

<213> Zea mays

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<400> 24648

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agggtcccgca tcgatgcaac atgtcctgat tcttaaaagg aacatgttgt catccacaca 120

actacaaatc cgtactatga aaatacatctt ctaattagac cgaggaaacc atgaagatgg 180

atggaagcag aacacccaag gagacaaaaa gggagaccag caaggcaggt ccgttcgagg 240

tgggtgaagc cgaaccagcc ggccggccgc ctgaaccagt ctgcggggta gcagccttgg 300

agcccgtccc cgaaagcatg tctctgaacc agtacgccga gtccttgggg taccgcttca 360

gcgtcgcgaa gtcgacgtag acgatgccga acttggacgt gtagcccgac agccac 416

<210> 24649

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B2

<400> 24649

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cttctgtgtc gtgcatgggtg agaaggcaaa gtcaaaggac aacgatgcaa aagcgtccgg 120
 gcccggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca agacggatag 180
 cacgaaggct gtgcaggagg cgtgggcatc agcgtgcggc ggcaccggga agcagacgat 240
 cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc catgcaaggg 300
 cgacgtgacc attcaagtga atggcaatc 329

<210> 24650
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B4

<400> 24650

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 ttggccggca ggtgcagcac cttccgcccgc cgctgcatct gcactaggca gtgctaaaca 120
 agatcgctcg atcgctcgcc atgcatcgac aacctattct taataacggt cattatctcg 180
 ttcttattta tgacgaatgt catgtatggt ctgggtgactg tcatgtatat tctgatgact 240
 gtcatgtatc ttgttcatgt atgctcaagg ttcattatct tgttcatgta ttaagtatgt 300
 tatgaataac tcaatattta ttattttggt catgtatgaa ttatcttcta atgagctcaa 360
 ggttcattat cttgggcaag gactcaaggg tcattatttt attcatggat gccagggtatt 420
 ccaaaa 426

<210> 24651
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H9

<400> 24651

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 ccggtgggtc cttcgacatc accaagttgg gcgcctgcgg caatggcaag acggatagca 180
 cgaaagctgt gcaggaggcg tgggcattaa cgtgcggcgg caccgggaag cagacgatcc 240

tcatccccaa gggcgacttc ctcgtcggac cactcaactt cacaggccca tgcaagggcg 300
acgtgaccat ccaagtgaat ggcaatctgc tggcgaccac ggacctaagc cagtacaagg 360
atcatggtaa ttggatcgag aatctacgog tggac 395

<210> 24652
<211> 343
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-006-Q1-K1-B5
<400> 24652

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cagaatggca aacatggaag cgacacaggc gcctacgacg ctcaaggaag gttcgttccc 120
gcgaagctgg acgagatgtt caccaagcac gccaaagaccg taccgaacgc tctgacgaaa 180
gacgagctcg acgagatgct caaggataac cgggagaaga tggacgtcgc aggatggctg 240
ggagccaagt cggagtggga gatgctgtac aagctagcca aggacaagga cggccgcctg 300
tccaaggaca ccgtcagggc cgtgtacgac ggatccctct ttt 343

<210> 24653
<211> 307
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-G3
<400> 24653

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tgctggtgac cagcagatag aagtagctga gcaggagctc attgaaggag aagaacaggt 120
ggctcaggag gagcctcaaa gcgaggagtt tgatctgac taggtggcgt ttccccagtt 180
gacttttgcg ccaaggatga tcttttagttc gttttatatt tatcttatat tttgtaataa 240
gacttcctct atgtgataaa tactttgatg atattgtgac atttatctct atacactctg 300
ttattat 307

<210> 24654
<211> 471
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G4

<400> 24654

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ggcggtccgag ggcgacaaca agaggatgat cacgctcagg agctccgact tagaggagtt 180

cgagggtggag gaagcggtgg ccatggagtc gcagactctc cgccacatga tgcaggacga 240

ctgcgccgac aacggcatcc cgctcccca a cgtcaactcc aggatcctct ctaaggatcat 300

cgagtactgc aacagtcacg tccacgccgc cgccaaacct gctgactccg ctgcctccga 360

ggcgggcgag gacctcaaga gctgggacgc gaagtctgac aaggtggacc aggctacgct 420

cttcgacctc atcctggctg ccaactatct gaacatcaag ggattgctgg a 471

<210> 24655

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G5

<400> 24655

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cgtgccaatc tccagtgcgt gttcttcagt ggaggcgccg gccggactcg cgatggagcg 120

ggacggccag cagaccgcc gcgacaagct catcatcgat acggatcccg gcatcgatga 180

tagcatggct atcctaattg cgttcagagc acatactctg gaaatcattg ggctcacgac 240

catattcggc aacgtcgaca cagaaggcgc aacatgtaat gcactattgc tgtgtgagag 300

agcaggacat cctgaggttc cagtagcaga gggcagccac gagccccctaa agggaggaaa 360

gccccgtatt gctgattttg ttcattgggtc agatggcatt gggaatctgt ttcttcctgc 420

acctctgct aagaaggttg aggaaagtgc tgctgatttc atg 463

<210> 24656

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G7

<400> 24656

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ctgtgagccc atttgttatt taattcattc aattagttga aattatacgc tgtcgcaactg 120
gctgatcaat catgtttag aatgggccag gaacccttc 159

<210> 24657

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G8

<400> 24657

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cacgagccaa ctacaacggc aagtggctca ccgctagggc cacttggtac ggtcagccca 120
acggtgccgg cgctcctgac aacggcgggtg cgtgcgggat caagaacgtg aacctgccac 180
cctacagcgg catgacggcg tgcggcaacg tccccatctt caaggacggc aagggtgcg 240
gctcatgcta cgaggtgaga tgcaaggaaa aacctgagtg ctggggcaat ccagtcacgg 300
tgtacatcac tgacatgaac tacgagccta tcgctcccta ccacttcgac ttgagcggca 360
aggccttcgg ctccctggca aagcccgggc tcaacgacaa gattcgccac tgcggcatca 420
tggacgtcga gttcagaaag gtgcgatgca agtacccc 458

<210> 24658

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G9

<400> 24658

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ccgcccgcgc attcagggat ggagatgaag aagatcgcct gcgcgcgtct cgtcgcccgc 180
tcggcggcca ccgtggcgct cgcgcgggag gctccagctc cgggccccac cagcggctcc 240

ttcgccgctg cgcccgcgt cgccgccagc ctccggggccg acgtcggctt cttcttcgcc 300
tactacattc agtgagccgg ccgcagccgg tcgcccggag gccgaagaag agactaagcc 360
ggagagaaaag tgacatggct gcgcgca 387

<210> 24659

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H1

<400> 24659

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ccgtcatcct gcttctcctg ctcatgtgtt ccaccgatat ggacacaggca agggaatgcg 180
agaagtacag tgagcgattt gttggggcat gcatgatcgc agacaactgc gccaatgtgt 240
gcgcggtga gggcttcttg gccggcaggc gcagcacctt ccgccgccgc tgcattctgca 300
ctaggcagtg ctaaacaaga tcgctcgatc gctcgccatg catcgacaac ctattcttaa 360
taacgttcat tatctcgttc ttatttatga cgaatgtcat gtatgttctg gtgactgtca 420
tgtatattct gatgactgtc atgtatcttg ttcattgtat ctcaagggtc atta 474

<210> 24660

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H10

<400> 24660

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tggccccgtt gttccttcca acatcaccaa cttgagctcc ttcgacaata gcaaaactca 180
tagcacatcc acttgccatg acgctacctc ataatccaac cgagacacct ggaaactcac 240
gagcttcata ctcaaactca acatgctcgt atgaccactc atcttcacag gcctattccc 300
ggaaaacttc acca 314

<210> 24661
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H11

 <400> 24661

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 cggggccggtt cggcgaggagg caggggacgc acgggcaggc agccatgaac ggcacatcaacc 120
 ccaacggcggg gttcctgtcg tacgggaaca tggagagcta cgcgatgtgg gtggcgaccg 180
 gcgtggcgctc ggccttcttc gcgtccctcgc agcgtctgtc ctgcatccac ctccacaccg 240
 cggaggacga cggcgtcgag gaggaggagg acctcgagga ggcccgcgcg tcttctctccc 300
 gcccgatccc tgagtactac tacgaccggt cgggctcctc cgactccgtc gccaatgatgt 360
 gacctgaccg aaccgcgcct tcttcgggcc aagaaatgcg tggatgatac atcccgttct 420
 tgatct 426

<210> 24662
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H12

 <400> 24662

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 tgggtccttc gacatcacca agttgggagc ctccggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcggtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggc gacttctctg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccatacag gtggatggca atctgctggc gaccacggac ctaagccagt acaaggaaca 360
 tggtaattgg atcgagattc tacgcgtgga taacctggc atcaccggca agggaaaact 420
 tgaacggcaa ggccca 436

<210> 24663

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H3

 <400> 24663

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 cctcattctg attatcctac tcattatgcc cactccatac aacacatata atgcaatacc 180
 acaattacac acctctatac ctcttccact catactcgac accatctaca ccaatgtata 240

<210> 24664
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-H5

 <400> 24664

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 cagctcgtct gctttatcca ccttgagtga cgagttaatg cctgagtgtg gctgacctga 180
 ccaagtgacc accataccat cctgctcctt tggacctttg cgcgcgcgga ggacagttgg 240
 tgctggcacg caccgcaacc atgcacgacg acacagcggc aggcttgttt gcgatcgtgg 300
 cgtggctgta caccgccacg gagcgagggt agcacgggtg gctggcagcg tacgtcaggc 360
 ccgggtcgtg ctgtacggng cggctctgta cactgttggc ggtcgtcca tgttttccgt 420
 gcacgagatc tttgatatat gccgcacgta cagtcgtggg tgc 463

<210> 24665
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H7

 <400> 24665

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ctgcataatt accttataac aaaactttat agagatgatc ttttgaaga cttgctcaaa 120
gaacctgatg agataaccat aaagaggaag cagatacgtg aaaatctcaa ggtccttcaa 180
caagcttaca aaactttgga cgagatacca cttgacgcag aggcagtaga gaggggtgga 240
tactccctgg attctgatgc gattggtctg ccaagggccc atgggctttc ttcacccctc 300
cacggattca acgatggaag ctacccatat tcaaccccgga agcagtcaag gtcaaggagg 360
tcaaaccatt ctggcgagca gcttcctttc aaccccaata tgagtggcaa tggtttttga 420
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<210> 24666

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G2

<400> 24666

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cgcggtgttgc cgtgcttaca tgagtctaag cgatcttcat ccacccttct gctctgctcc 120
ctcgaaatgg aggccacgag caacgcgatg gcttcaggcc tctccttct gctgcttctc 180
atcaacacag gctttgtcct gccatccat tccgaggact gctgggccaa caccgcgctc 240
atctgcacca tcacgcacaa ctgccgaac gacatttgct cggagcgcag catgcctcac 300
ttccgctgcc actgtgagtt acccaacctg aagcccttct gacagtgcct gcgccccaac 360
tgccactagt ccggtgcct cgtattggct cacttctcca gcgatcatgg atggagccca 420
actgctactg cccaatctgc ttcattcttt aatgtttaag gcattcttta t 471

<210> 24667

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F1

<400> 24667

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gcctctcaag cctgatatcc atcgacacaag ccctgcgtgg tgcagcccgg tctaatacaga 180
aaccctctgt ctctcttcgc gttgaggggtc cagtttccctt gtccctcgact ccttccatgt 240
ctcccaagga caagctcaag ctcaaacggt tggccccagg ccaagtggag ctctcctcac 300
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ggcctctttt gtctctgaat ggttcagatg gcagcctgca ggggtttgaa gagctattgg 420
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<210> 24668

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F10

<400> 24668

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ggcatcgctg atgggaatga cggacagtgg cgcttacatg gagcaccgtc tggccggcgt 180
ggacaggggtg cagatcacgg gcctgaacgc gggcacgctg gacctgacga ataacggctg 240
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cagcgtcacc tggaagccgg ccgtgaacga caggccgctc acctgggtaca agaggcactt 360
cgacatgccg tcgggagagg acccggtcgt gctggacatg agcacgatgg gcaagggcat 420
gatgttcg 428

<210> 24669

<211> 128

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F11

<400> 24669

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atgaaattgt tataaaacaa acaaatatac ataaacaaat atatttaacc aataactcat 120
atataaaa 128

<210> 24670
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-F12

<400> 24670

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 tgctgctacc ggccggccgg gcatgacgat gacacggacg atgtgcctag gcctgctgct 120
 tctactactg gcggcggcgt cgacagcgac ggcgcatctc acggtcggcg atgtggatga 180
 gtacgtgtcc aagcgcacgc aggagtcccg ccacaggaac aacgggtggcg cgggcatcga 240
 tgacctcatc tccagtgcgg cgcgcttcca cgccaacgtg gatgcacgcg cctatggccg 300
 tagatccgac ctgcaggagg aggcaacagc taccgtaata accaaagcgg aagcacaaga 360
 ggcttcagct gaaggtggcg attaacctac ctaaccatat tatttattca ttcatatgca 420
 tgcaccttg ntgctatg 438

<210> 24671
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F2

<400> 24671

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 ccggcgggga cccagtccgg caggggtgtg tggcagcctc ccatgacgct ggccgagttc 180
 accatcggcg gcggcggcag ccaggacttc tacgacatct cagtgatcga cggctacaac 240
 ctgcccacgc tcttctcgtg cagcaccggc gtgaccctca actgcggcg gcccagctgc 300
 cccgacgcct acctgtttcc cagcgacaac accaagaccc atgcctgcag cggcaacagc 360
 aactaccagg tcaccttctg cccgtgagat cgcgcgtgcg aggcattcgg cagtgtggcc 420
 ggacgatgtt gcaatatgca atgcatgctc cagcgggtcca g 461

<210> 24672
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F3

<400> 24672

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 ggcaacattt tccctcatga aattgaagac acggaacaaa ttattggagc actctcgctt 120
 gttatttact cccttacctt gattccactt gttaagtacg tgttcattgt cttgagggca 180
 aatgataatg gccaaagggtg aacatttgct ctttactcgt tgctttgccg gcatgcaaag 240
 ataaacacta ttccgaatca gcatagaaca gatgaagaac taacaacata cagccgccac 300
 acatatgatg agaaatctct tgctgcaaag atcaaaaggt ggtagaggg gcaccaattc 360
 agaaagaatg tcattcttat tcttgttctt tttggtactt gtatggcagt tggagatgga 420
 atcctcactc ctgcaatatc agttctttct gcaactggag gaatacaagt gga 473

<210> 24673
 <211> 471
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-F4

<400> 24673

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 gtgacggtca agggccccgg cgacagcccc aacacggacg gcatccacat cggcgactcc 120
 agcaacgtga ccatcagcag caccaccatc ggcgtcggcg acgactgcat ctccatcggc 180
 cccgggagca agatgatccg catccatggc gtcaagtgcg gccagggcca cggcatcagc 240
 gtcggcagcc tggggcgcta caaggacgag aaggacgtgg aagacgtgca ggtgacgggg 300
 tgcacgatcg ccggcaccac gaacggcctg cgcacaaagt cgtacgagga ctccaagtgc 360
 tcgctcaagg ccagcaagtt cctgtacgag ggcatcacca tggacaatgt ctactacccc 420
 atcatcatcg accagaagta ctgccccaac aacatctgcg tcaagtcccc c 471

<210> 24674
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F5

 <400> 24674

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 cgggcacgta ttgcgcggcg tggaatttgc tccctcggca ttctaccatt tatcaatgca 120
 cagatttgtt ttcaactcct tgcgcaactc taccctaaaat tgcaagacct tcatcgga 180
 gaaggggaag caggaagaaa gaacgttctt cactatacaa gatatgcttc tgttggattt 240
 gcaattgttc aggccattgg acaagttctt tatctccgta cctatgtgaa tgatttcagc 300
 acagaatggg ttctaacatc tgtgacatta ttgacacttg gatcggtctt tactactttc 360
 attggtgaaa gaatatctga tctgaaactt ggaaatggaa catcacttct tatatttaca 420
 agtataatat catatttgcc tgcacatca 447

<210> 24675
 <211> 369
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F6

 <400> 24675

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 tctacccaaa attgcaagac cttcagcggg aagaacgtga agcacgaaga aagaaggtag 120
 ttcaacatac aatatatgct tctgttgat ttgcaattga tcatgccatt gtacaagttc 180
 tttatctccg tccctatgtg aatgatttca tcacagaatg gctactagca tctgtgacat 240
 tattgacact tggatcggtc ttactacta tcattgacca aagaatatct gatctgaaac 300
 ttggaaatgg cacatcactt cttatattta caagtataat atcatatttg cctgcatcat 360
 ttgagagga 369

<210> 24676
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-F7

<400> 24676

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gtggtgggct ccgacgtcgc cgaggcgaac gcctgcttct ccgacctcga ggagcgccag 120
gtcgtgcgcg tccagggcac cgatcgggcc cgccgaacca tcgtccgcgt cgtcggcaag 180
ttcttcccg ctccagcaat tgatggtgaa cgtctgaaaa agtatgtgtt ctacaaactc 240
cacaccgaat tgcctgtggg tccattctgc atcttgtaca tgcacagtac tgtgcagtct 300
gatgataaca accctggagt gtcaatcttg aggacaattt atgaggagct ttcacctgag 360
tacaaggaaa ggcttcaggt tttctacttc ttgcatectg ggcttcgctc caggctggcc 420
atcgccacac ttggcaggct attntaagt ggagggttgt attggaaaat caagt 475

<210> 24677
<211> 460
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-F8

<400> 24677

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aggggtggcc gccgatgtcg ccaacgccgg ccacgccaag cccctgacgc ctggcggggc 120
cgtggtacac cacaaccacg gcaagttcac ggccggggccg tggaaaccgc cccacgcgac 180
cttctacggc gggcgggacg ggtccggcac cacggcgggc gcgtgcgggt acaaggacac 240
gcgcgcgcag gggatatggc tgcagacggt ggccgtgagc acggtgctgt tcggtgacgg 300
cgcggcctgc ggcgggtgct acgaagtgcg ctgcgtggac agccctagcg ggtgcaagcc 360
cagcgcggcg aactggtgg tgacggcgac cgacctgtgc ccgtccaacg accagcagtc 420
cgcgacacag ggcgggtggt gcaacccgnc gcgggagcac 460

<210> 24678
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F9

<400> 24678

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gtcagcggaa tcacgcctgt gaaagttgtt tttttctttg ttcccgaaga cagtagaaat 120
caaccttgta cattcatatg attgggaata agaccggtag gaaagctgta aaactcgacg 180
tgcttcctcg tatgtactgt tctgtttaaa attattcgac gttttgtcgg aacggaacgg 240
aggacctgta tggctgtata tgatactaata cctatatatc acgcagtttt tgaagatttt 300
gtaaaaaaaa aaatgaagtg caaaatcctt aacatacaaa aaaaaaaagg gggcccc 357

<210> 24679

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G1

<400> 24679

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cgcgtgcgta cattaatcta agcgatcttc atccagcctt ctgctctgct ccctcgaaat 120
ggaggcgacg agcaaggcga tggcttcagg cctcctcggt ctgctgcttc tcatcaacac 180
aggctttgtc ctgcccgtcc attccgagga ctgctgggcc gacaccgcg tcatctgcac 240
caagacgcac aactgccggg acgacacttg cgcggggcgc ggcattgccg acggccgctg 300
ccactgggag ttccccaacc tggtgccctt ctgccagtgc ctgcgccccca actgccacta 360
gtccggggcgc ctcggtattg ctcaactcgc cggcgatgat ggatggtgcc caactgcgac 420
tgcccagtct gctccattcg ttgttgttta aggcataata tataaact 468

<210> 24680

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G10

<400> 24680

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ggccggcaca catctaaagg cgcattggcca ttctccaccg cggatcatgg ttggcctata 120
tctgattgca ctgctgaagg actaaaggct tcattattgt tatcaaagat ttctcctgaa 180
attgttggtg gaccgataga agctaataga ttttatgatg ctgtcagttg tctgatgtct 240
tatatgaatg ataatggtgg ttttgcgact tatgaactca caagatccta tgcttggtg 300
gagctgatca atcctgctga gacctttggg gatattgtga ttgattaccc gtatgttgaa 360
tgtacatcag cagcaatcca ggccctgaca tcattcagaa aactataccc tgggcaccgc 420

<210> 24681

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-G12

<400> 24681

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ggctctcttc cacgctcggc ggcacctcca cctgcgagga cgctgcaag gacctgccc 180
agaccagcga caaggacgac gtcgtcaact tcagcctcga cttcgagaag ctgcagcgcg 240
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cctccaacgc cggagcgccc tcctacggcg cggcggcgcc ttccgggggc tccgncgatg 360
ccccgcggg cgctccgag ggccctgcga gcgccagcgg cccgtctggt gacgacgcgc 420
cggcgccgg tgctggtg 438

<210> 24682

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E9

<400> 24682

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cagcgtccag aaggagagta cccttcacct tgttctccgc ctcaggggtg gtatgcagat 120

ctttgtgaag accctgactg gaaaaacccat aaccctggag gttgagagct cggacaccat 180
cgacaatgtg aaggcgaaga tccaggacaa ggagggcatc cccccggacc agcagcgtct 240
gatcttcgcc ggcaaacagc tggaggatgg cgcacactta gcagactaca acatccaaaa 300
ggagagcacc cttcaccttg tgctccgtct ccggtggtgt cagtaagtca tgggtcgttt 360
aagctgccga tgtgctgca tc 382

<210> 24683
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-D6

<400> 24683

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aaggaaacca tggaggggca tgtgccattg ccattgccat tgctcccga cggagaaact 180
gcggtgggct acagcaagga cgccgnctnc tcctcctcgg cggctctctc gcctctgcaa 240
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acggtca 427

<210> 24684
<211> 497
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-D7

<400> 24684

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ataggtannt ggtcctgata ggggggttct tgactnacgc cgtatcacag agnngctgg 120
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tttatgacat nttaatnttc tccgatgcagg cttattgatc atatcatcaa ttcagctgcc 240
 aagtcaaatt atatgtcagc tggtcagata tctgttccta ttgttttttag aggaccaaac 300
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 tctttcccag tttctgc 497

<210> 24685
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D8

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 gattcgtcca agctgccgga ggtcatg 447

<210> 24686
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D9

<400> 24686
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accactgggg cgtgcgcggg gagagcgacg gctacggcgt ctctgtgatg ggggtccagcg 240
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<210> 24687
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-E1
 <400> 24687

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 attaaaggat gttgggatta agattgcaga gaaatgtgat ggccatcctc tagcaatcaa 240
 ggtcattgca ggtatcctaa ggtcaagagg caacagcaag gctgaatggg agatggttct 300
 gaacaatgat tcttgggtcca tgtgccccaat ccttccagaa gtaccacaag ccgtgtatgt 360
 tagttatgtc gatctttctt ctcaactgaa ggagtgtttc cttcattgct ctctgtatcc 420
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<210> 24688
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E10
 <400> 24688

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ggtgctcata ttgcatggag gtgaaggcgc tcttcaagcg gatcgggtgtg cagccccatg 360
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<210> 24689
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E11
 <400> 24689

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 aacggcaggg gccccgcgga ggcggggggc gccggcgccg gcgcgtcgca tgccgtggcg 300
 tcgggcgtct tccagatcaa caccgcggtt gccacgttcc agcgcctcgt caacacgtc 360
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<210> 24690
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E12
 <400> 24690

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 gttccaagat ccaagaagcg cgctcatct tccaggacct gtccgagaag taccgcagca 300
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cggaggggtt gctgctcgag tcaactgaaca aggacgcaa ggatactgag ac 412

<210> 24691
<211> 101
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E2

<400> 24691

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<210> 24692
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<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 24692

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cggaccgtgg gcgacaccgt gcaggacgcy tgcagcaaga cacaattccc caagatctgc 180
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tacaacaacg ccaaggacag caccgtgttc aagtgtctac acagctgctc ggacgacgtc 360
gaggaggccg tcgccacct caacggcctc gtccgggagc ccaccgacgc caagttcctg 420
gagctcaagt cgtggctctt ctncacgctc ggcggcacct tcacctgc 468

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<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E5

<400> 24693

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 tcgtttgctt gcagaggagg tatcatgaca atggatgtcg ccaagtcctc cgtgtcgacc 300
 atatatatat gaagaataat aagaaaacac aaatacccaa gtatttagaa gcgttgaatc 360
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 <211> 467
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 <223> unsure at all n locations
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 <400> 24694

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 ttttctgggg gtgctgctcc gtcttcttct cgcgtcaccg tcctttttcc tcctttacca 300
 aagcctcata ttgcatgtgt cgattgcaga taacagtctg ataccccccc acccactgcc 360
 ttactgact gctagagccc ctcttgctca gtacagtgtt tgggtgctgaa tcaaaccac 420
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<210> 24695
 <211> 188
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-E7

 <400> 24695

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acgtgatcgt ttccaagcta cctatgcttt taatcctact actctgcaat gaaagcactg 120
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 aacttgac 188

<210> 24696
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 acagaatggg ttctaacatc tgtgacatta ttgacacttg gatcgggtctt tactactttc 360
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<210> 24697
 <211> 472
 <212> DNA
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 <400> 24697

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 gtgggccgaa ggacctgcac cgctacggct catgggccat ggtgactggc ccgacctccg 180
 ggctcggccg gtccatggcc atggagctcg cgcgacgggg cctcaacctc gtctctcttg 240
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 agataaggac tgtggttcta gacctctccc tcgtcgccac accagaaggc gacaaggcga 360

tccgacgtct gcgggaggcg atcgaggggc tggacgtggg gatactggtg aacaacgcgg 420
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<210> 24698
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-C12
 <400> 24698

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<210> 24699
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-C2
 <400> 24699

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 tagtgatgat cttgataagc agaatgaagt gacgggatct cgagtattca ttcctcaaga 180
 tgccaaggg gttatecttg cttttcttcc tggcagggat gttgtcaagc tccgcagtgt 240
 gtgcaagttc tggctagagt gcgttgaaga acatagtttt atggaccgtc acctgaataa 300
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 catgtacaca ttgatcctg ccacaatgaa tttcagaagt gtggagctcg tgttctcaag 420

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468

<210> 24700

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C3

<400> 24700

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ctctcaccct gagcggtagg aatccgcagg gctccagttg ggtgccagaa gcatccaagt 180
cgttggcggg agaccgggaa atggcgga aaagagggggc gaagggtggg gcggaagaga 240
tggaagagcg ggagcaggaa ggggagggcg aggaggtgga ggtgaagttt cgtctcttcg 300
acggctccga catcggtccc gtgcgtgca acgcccncac caccaccgtc gccgtcttca 360
aggatcgctg cgtcgccgac tggcccaaag ataaacaaat tatcccaaag gctgctagt 420
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<210> 24701

<211> 463

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C4

<400> 24701

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cctaaggctg atcactgac aggtcggagg actcggcggg cgcaggcatg aacgagaagg 180
cgtecgcttc caaggagctc aacgccaagc acaagaagat attggaaggt cttcttcggc 240
ttcctgagaa tagagaatgt gcagactgca agtcaaaggg tcctcgatgg gcaagtgtta 300
atctcgggat ctttatatgt atgacatgtt ctggaattca tagaagcctg ngggtgcaca 360
tatctaaggt aagatctgct accctggata catggctgcc agagcaagtt gcatttatcc 420

aatcaatggg aaacgaataa gcaaatagcc attgngaagc aga

463

<210> 24702

<211> 434

<212> DNA

<213> Zea mays

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<400> 24702

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agcgacgccg cgtccaagga caggagatg caggtcaccg tcgccttcaa ccacttcggc 180
aaggggctgg tgcagcggat gccgcgtgc cgtcacggct tcttcacgt ggtgaacaac 240
gactacacgc actggctcat gtacgccatc ggcggcagcc ggaacccac catcatcagc 300
cagggaacc gcttcgcgc cgtcgacgac agcaggttca aggaggtgac caagcgggag 360
tacacgcagt acagcgagta caagaactgg gtgtggaagt cgcaggacga cctgttcctc 420
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<210> 24703

<211> 482

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C6

<400> 24703

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cgcaaccgcc ccgacctggt gctcctcctc ggcgacgtct gctacgcaa cctgtacctg 180
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gagacgtacc agccgcgctg ggattactgg ggaaggtaca tggagcccg gacgtcgagc 300
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ttcgcggcct acagctcgcg gttcgcgttc ccgtcggagg agagcgggtc ctntcgcgcg 420

ttctactact cgttcgacgc cggcggcatc cacttcgtca tgctnccgtn ctacgccgac 480
ta 482

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<211> 308
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-C8

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tctcctcgac gacggaaacg gcgacggcga cgaagaagat gaaaaggaag atgaaacaga 240
aataattcaa gctgtgagct atacagaaca gagacattct gtgcaaaaga aagcgaacgc 300
tgttcccg 308

<210> 24705
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C9

<400> 24705

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gaagaagaac cagcaggcgg aggaggagct ggcgaccggc atggagaagg tcacgggtggc 240
cgagcccgcac cacaaggagg agggacacga ggccgccgag aagaaggaca gccttctcgc 300
caagctgcac cgcaccagct ccagttccag ctcgtcgagc gacgacgagg aagaggaggt 360
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<210> 24706
<211> 405

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-D1

 <400> 24706

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 ccggcaatgt ccggctcgcc aagtgtgcg tacgggtccat gcaccgtggc gccgacagcc 180
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 tgtcggagct cagcaagctc ccaccactcc gcgagcgctc tctctcgtaa tcggccacca 360
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<210> 24707
 <211> 430
 <212> DNA
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 <223> Clone ID: LIB3066-005-Q1-K1-D10

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 gtcacccgtg gcaagaaggg atcaggaggc atcacctga agaagacagg gcaggcactc 360
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<210> 24708
 <211> 441
 <212> DNA
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 <223> Clone ID: LIB3066-005-Q1-K1-D12

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tggggcaagc ctcacggctc gtcctcctcg ccgtcgtggc gctgctgtcc gccggcctcc 180
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cgttcgccaa gcgcaccgcg caggcgcgca agcacgtcgc gaggtcggcc cgcaccatcc 420
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<210> 24709

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D2

<400> 24709

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<210> 24710

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D3

<400> 24710

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<210> 24711
<211> 463
<212> DNA
<213> Zea mays
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<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-C11

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<210> 24713

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B1

<400> 24713

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<210> 24714

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B10

<400> 24714

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<210> 24715
<211> 286
<212> DNA
<213> Zea mays
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<210> 24716
<211> 397
<212> DNA
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<210> 24717
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B3

<400> 24717

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<210> 24718
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B4

<400> 24718

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ggttctcgtc tcgatcccgga cgacgtccc ttccggtccg gcaaaccaca tcaagtgcgc 120
atggagatga agaaggctgc ctgcgccgtc ctgcgcgcgc ccgcctccgc caccgtggtc 180
ctgcgcgcgc agggcccggc gccgcgccc accagcgccct cctcggctgc gttcccggcc 240
gtcggcgccg tgctgagcgc ctccgtgctc tccttcttcg cctactacct gcagtaaaat 300
taaaggagga tcggaggag aggtgctggt ctgccattgc ctgtattcgg ttggatcccg 360
tttatatata tatatatata ttaagtact ttaatttggg tctgaacatg tcgattgatc 420
cattcattnt atttgctttg ccatttctcc cttttctggt aatttcgata tg 472
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<210> 24719

<211> 473
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-B5
 <400> 24719

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cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccgcc cacgcgtccg   60
cggacgcgtc cgcgcctcgc cttggtgttc acgccgtcgc tagcgcctgc cgcggcgaag  120
cttctgccct ccccggcgcc aggctcgggt cgtcgtcggc caggcagctg ctacgcgtga  180
acacggtcac accagtacgg cagtaccacg cgacgtgaac ggtgaactcg tgaagaacag  240
agccgccact gaggaaccc tagcgacggc ggcgtgctac cggtgacatt gtccccctcg  300
gcccctccat ccctgacgca gggcgccag cctgcaggaa gccagcccct attcgagaca  360
aggtcgatct ttgctgcctt ggcgagcttc agccgaatca aggtcgagca tggcggcagg  420
ccagtaaata gagcaacaca aaacccttca aaataatgga gacctctgca gca         473
  
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<210> 24720
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B6
 <400> 24720

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cggacgcgtg ggccgacgcg tgggcccacg cgttggtctc tgaaaaatat ccatggctgc   60
cggatgcaag ccctctaaca taaccattgg cactccatt cttggtattc tgggttgctt  120
tggctgctct gttggcttat gcatgattag tgggatcaag aggttttagca agtttcaagt  180
tgatgtcaga ttccatgagg tgcactgcaa caagtcattt gttcattcaa ttccatgggt  240
gcacagaaaa gatgaggcga tgccaagaaa aagtcgatat gtctatgtgt ttaagttaaa  300
gggcaaaaat gtatttcttg tttggtatat agcagcccta caacactntg gtgaacttag  360
ttactgcaga ctaggtaatt acagttgcac cttttgtatt ttatagcaaa ccagaaatt  420
ttcattggat tctacgact                                     439
  
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<210> 24721
 <211> 414

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-B7

 <400> 24721

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 gttgctacct cttggctcga cggcaatcac gtcattcttcg gccaggctcg caagggcatg 120
 gacgtcgtca aggccatcga gaaggtggac acccgcaacg gcttcaccta caaggtggtc 180
 aaagtcgctg actgctgaca gctctgctag atctctctga tctggtatgt tcggacaacc 240
 taccttcgtc atcgtctact actcctgcgt ccatttcctt ggatctgaat aatatgggtg 300
 taatctgaat ggtggtatta gtttatcatg tatcgtcgc agtataatat atcggtttag 360
 gtgatgatct ttgaaaaata ataaaatttt gattcgaaac aacaacacaa actt 414

<210> 24722
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B8

 <400> 24722

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 tgtgtcatgt gaggatccgt tggatgaattt acaggaccag aaaaacaaat tgactgaaga 120
 ggcgagggtg gagctccgac gagccaatga ggcaattgaa aagctgaaaa cttcaagaa 180
 cgaatgtgga ctgcctcatg tgcaaatgga atggcatgat caccatgaaa tagaactggt 240
 ccatgcactg ccttcgagg attctgatga ttctgcgctg aatgaaagca ggcttgacct 300
 ccaggaaata tgtcaaagag tcaaagaaat aattgaatct taccctgagc tatcagttgc 360
 ggaattagca gataaagttg atcgacttgt ggaaaagggtg atcagccttg aacttgccac 420
 tacttcacag aatgctcaga tcgatngaag g 451

<210> 24723
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B9

<400> 24723

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gattccgaag tgttttgtta cttctctcgc cttcatgtg gcttgctggg atgacttttg 120
gatatcttta tggctttttg ataatcacag tggggatgag cataggcatg tcgttgccgt 180
attttatagg ttctgcattc cactgcagga tacatagatg gctggagaag tggccaaaga 240
aagcagcttt tgtaaggctt gctggcgagg gagattggca tcatcaattt aaggctgttg 300
ctttactcag gatttctcca tttccatatt tagtttttaa ctacgcttct gtggctacga 360
acgtcaaata ttaccatac atagctgggt ccatggctgg aaccatacat gaaactttcc 420
ttgcaatata cagtgggaaa cttt 444

<210> 24724

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C1

<400> 24724

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ggcgtggctc ggcgacttcg gcctcagcac ctgctactac gccgaggtgg aaaaccacgg 120
gcccggcgcc aacatgacca gacgcgtcaa gtggaggggt atcaagaaca tcacctacca 180
gcacgcgctg cagaagtaca ccgtcgagag cttcatccag ggccagcact ggctcccaca 240
gctcggcgtg ccattcatcc cggggctgct gccgcagcag caatcgggca ggatacactg 300
acatctaagg aagatgatat atgatcggca ggctgcgttg tcgatatgac gtggcactaa 360
catgtacgta ccatggttta gtttattggt tggtttatgc tattttgact actacttttt 420
ttatattcga taaaaaatg cagtacagaa ttaaaaacgc aaat 464

<210> 24725

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C10

<400> 24725

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gctgagcgct tacgctgccc tgaggctcctc ttccagccat ccttcattgg gatggaagct 120

gctggtatcc acgagaccac ctacaactcc atcatgaagt gcgacgtgga tattaggaag 180

gatctgtatg gcaacatcgt cctctccggg ggtaccacta tgttccttg cttgctgac 240

aggatgagca aggaaatcac cgccctggct cctagcagca tgaagatcaa ggtggttgct 300

cctccagaaa ggaagtacag tgtctggatt ggaggatcca tcctggcatc gctcagcacc 360

ttccagcaga tgtggattgc caaggctgag tacgacgagt ctggcccgtc catcgtgcac 420

aggaaatgct tctaattctt tgg 443

<210> 24726

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A9

<400> 24726

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ctccggcggt gccgccgcta gcacggcagc tggcgccggc gccccgccg cggatggggc 120

ggctgcggcg ctccggcgga gcatcctgga atcggtcacc gtggcatgcc ccgaccacct 180

cgtgatcgcg gacctaccg tcgcaagag ccttgggtgcc gacacggcct ccgatgccgc 240

cgtcacgcgc gccatcggcc gtcgctcccg tcgccgctc ggggagcgcg tccacatctg 300

atcccgatgc gagttcccca tcgtcatcta cggccgcctg atcccttggt aacatgcctt 360

ctggttatcc tgcgcaagaa gcgattctag ctgatatctc tgagatgagc gcattcagaa 420

gatacaaagt ctgaa 435

<210> 24727

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H3

<400> 24727

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caggatcagc tccatccgc aggatgcgac gccgtttccg caccggcagg gcgtgctgtt 120
caacatccag tacgtcagct actggttcgg cgagggcgac gggcgggcgc cgacgcagtg 180
gagcagggac atgtacgct tcatggagcc gtacgtcagc aagaacccta ggcaggcgta 240
cgccaactac agggacctcg accttggtgt caacgaggtg gtcggcgacg tctccacctc 300
cgacagcggc aggggtctggg gcgagaagta ctacaatggc aacttcgaga ggctcgccag 360
gaccaaggcc aaggtggacc cctgcgacta cttcaggaac gagcagagca 410

<210> 24728

<211> 358

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H4

<400> 24728

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actttggtgg cgataagagt ggagctcctg ctgagttcca gccatctttc aggagttctg 120
gcgcgaggtc tggctttggc cgtggtggtg gcagcggctt tggcgctggc ccgacctctt 180
cttccatgga gtgaacagtg aagctgccct tagtttggac atgatgtttc cctcccgtg 240
aggcgtttaa ttttgaagga cggttattat gtactagtaa tgttttccgg atcggctagt 300
gctgacatgc aaaaaaaaaat gttccatatt tatacattgg ttccagtata gtagtctt 358

<210> 24729

<211> 176

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H5

<400> 24729

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ccctagtatc tacgacgcta ctacataccg tacgcctcct tcgacaagct ttgacgaggg 120
gcacggacga tgaatactcc gatcgtcgag gtgcagcacg tctttacacg ccagat 176

<210> 24730

<211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H6

 <400> 24730

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 tccgtectcg gttccgctcc tccgtccgat ccatacgttt ccgttccta taaattctat 120
 aaattccccg aaagtcccg accgctcagc caaccaca cgacggcgag tcggcggcga 180
 gtgggaggga acaccgcagc agcgatgcgt cggggctcgc tgccgctgcc gctgctgctg 240
 cttgcggcgg tggcggcggt agcgccacc gcggttcccg ccgagccggc gtcgacgctg 300
 tccgggccgt cgcggccggt gacggtggcg atcggagaca ggggccacgc ggtggacctg 360
 ccggacacgg acccgcggt gcagcgccgc gtcacgggct gggcgcccga gcagatcgcc 420
 gtcgcg 427

<210> 24731
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H7

 <400> 24731

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 gccggtggct ttgtgcaggt tcaggaagta cccacaggct ttgggcgctg gacaaggaag 120
 ccgtcggcct ggtcgtttct cacctgaaga agatgctccc ggatgccact gaaccgacgc 180
 agtacctggt gtcgcatgg ggctccgacc ccaactccct ggggtcctac tcgtgcgacc 240
 tggtcgcgaa gccggccgac gtgtgcgcga ggttcgccgc ccccgctgag aacctgcact 300
 tcgccggcga ggcggccagt gccgagcact cggggctcgt gcacggcgcc tactcgtcgg 360
 gcatcgccgc tgccgaggaa tgcaggaagc ggctcctggc gctgaagggc atcccgacc 420
 t 421

<210> 24732
 <211> 291
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H8

<400> 24732

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gcgccgtcct tacgagactg gacgtcctcc tgacgtgcgg gccccgaag gtgccactcg 120
gccccaaacat caccaccaac tacaacggca agtggctcac cgctagtgcc acctgctacg 180
gttagatcaa cggagcactg cgctcctgac atcggtctgt catgctggat caacaacctg 240
aacctgccac actacagcgg actgacgtta tgcgccaacg atgctatctt c 291

<210> 24733

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H9

<400> 24733

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accagttgct gcagcgatac ttccaatttc tgtgccgatg ggtttcctcg ttttcttctt 120
attttgtttc ctcgctcgctg cagcctgcaa attggtagtt tcttggttct tatcagtga 180
gctggctttg gaatttgcag gcaccgttct gagctgcgct ggtgctcctg gaaagggtgtt 240
ggtgcctgga ggtggcagtg atgacttgct ttctccgta gagcctgtca gcgacactca 300
acctgaagaa ctacagcctt tgcactttca tatcaggcat tgtgcaatgc ctctgaatt 360
gttggttaag gcaccgtgct ggttcttggg ctactg 396

<210> 24734

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-A1

<400> 24734

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ggtgcgtcca gcgcacaacc agcaacagga ggctgggtgg ccaccgcacc gtctcgcagc 120

gaagcgacga ttctgattgg tgatgctctg tttctgcctc catcctgctg ctgcggccca 180
 gttgctgaaa ctgtctcaga acagaaccgt aggtgtgcgg cccttggcat gccgctgtac 240
 aaaagaaaat gctttattag acaatctggt tgctcgaaca gtgtggcaac aaataagtcg 300
 gttgatttag gtaaaggtaa aagcagattg ggtgttctag tgagtagtga cattgtattt 360
 gtactcataa acttannaac atatgaccag ctaattttta aaatatataa accatcttag 420
 aa 422

<210> 24735
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-A10
 <400> 24735

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 gctgggtata agaaatttgt agaagagaag ggtctgaaag atgaaacgta ttgttctgat 120
 ggcactgctc tcattcaaat ttctggaaca gcggttcata acaataaaac gcttcaagtt 180
 gatgcggctg caacatcctt gagttccaca gattgttttg ttttgcaagc taaaaactcg 240
 atgtttatat ggaatgggaa tgcaagttct tttgaacaac aacagtgggc tgctaaagtt 300
 gctgaatttc tgaagaccgg tggtgctgtc aagcattgca aggagggcac tgagagctct 360
 attttctggt cttctattgg tggaaagcag agttatacaa atagaaatgc tgcacctgat 420
 gttg 424

<210> 24736
 <211> 445
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-A11
 <400> 24736

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 taccctgaca aaggatggga agaggcactt gatcaagaag gatgtgcctt gtgagactga 120
 tcagttgact catgtttaca ctttgatcat ccgtcccgat gcaacatata gcattctcat 180

cgataatgaa gagaagcaaa ctggcagcat ctatgagcac tgggatattc ttccccctaa 240
gcaaataag gaccagagg ctaagaagcc tgaggactgg gatgacaagg aatacattcc 300
tgaccctgag gacaagaagc cagagggcta tgatgatatt cccaaggaaa ttcttgaccc 360
tgatgctaag aagcctgagg actgggatga cgaggaagat ggtgaatgga ctgcccctac 420
cattcccaac ccagaatata aagga 445

<210> 24737

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A12

<400> 24737

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cgctcttgga caaggacggc gacggttgca tcacaaccaa ggagctcgga actgtcatgc 120
gatcactggg tcagaaccca accgaggctg agctccagga catgatcaac gaggtcgatg 180
cggacggcaa cggcaccatc gacttcccgg agttcctcaa cctcatggcc cgcaagatga 240
aggacaccga ctccgaggag gagctcaagg aggcgttcag ggtgttcgac aaggaccaga 300
acggcttcat ctctgcggcg gagctccgcc acgtgatgac caacctcggc gagaagctga 360
ccgaccagga agtcgatgag atgatccgcg aggccgacgt cgatggcgat ggccagatca 420
ac 422

<210> 24738

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A2

<400> 24738

cccacgcgtc cgccccgcg tccgcccacg cgtccggaat aattttacta atcaaattct 60
gggtgggata tattcctcca attcccctcc tctcccaac aaggcaacaa caatctgttc 120
cggccgcaa acaaaaccaa aaaaaaaca cactgaaccc aataatccga tcccacagaa 180
acttttctct cggtcggttc gatcgatcgc tgccgtgtcg tttgccagac accatcagca 240

cccaaaacca tggcctgcaa cctggctcag tgcgccaccg ccgccgcggc gaccgtcgcg 300
 ccccgacccc ctgcacctgc tgcgtccgcg tccgtctcct tctccgcgag gaagccggcg 360
 ggccggcagcc tgcggctgca gcggcaggcg tgctgcgagc cgtcgggtggc gccgtcgcg 420
 gcggtgttcg cctgcggggc cgcggcgctc gggagcgcg ccg 463

<210> 24739
 <211> 182
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-A3
 <400> 24739

ctcccgctctc gaccgcacgc gtccgatccg ccacatgttc aagaccagc acgcttggtg 60
 agagatagat ttcctcgtaa atagcgggtg ttatatcgca cggccagtc tatcatacta 120
 tctacactgc atcatctatt ctgagaataa ctgcaatctt taccctgat actctacatt 180
 ca 182

<210> 24740
 <211> 455
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-A4
 <400> 24740

agacgcttga cgccaagcag ctcaagactg gaatgatgca caaggggaag gtgaacaggg 60
 gggacttctc agggccgctg ctgtcgcagc cccggcgcat cgacgagctc ctgcacatcc 120
 acgagcagca gatccggcaa gctggctgcc ggccatggtt catgaaaggc accgaggagg 180
 aggagcactg atggcagaga cacggcatgg acacaactaa acgcccata gatttgcacg 240
 tacttaccac agagcaagag aagatgctgg aaacatatca aaggagtgg accgtgagct 300
 agctctcctg atgagcaggt gttttttcag ggccggtgac agacaaacga gtcggcctca 360
 tgccatcagg gaagagctca gatggaagct gctgtagtgg ttttcagggt tcatgcatac 420
 cagaattgct ctacgcctct acctgaacta gacaa 455

<210> 24741
 <211> 436
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-A5

<400> 24741

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tcggtcaaca cccatcttag tctttctaga gcctttcatt aggccaatgg tacccggtgg 60
aggagggcat tcttgccgc tcgccaagg cgaagaagtt cagcagcagg agcatcgggt 120
ttctgaacaa caccagatg tcagcgtggc ggacacggag catgtaccac cggggcagga 180
gcacccact gatgtgcaag accacgagca ccctcgcggc ggtcatggcg cagatgctgt 240
cccatcgggc cacacacgtc tgggtgacgg acgcagagtc ggaggaggac ggcgtcgtcg 300
tcggcgtggt gggctacacc gagatcttca atgccgncac caggagcacc tgcccaagtc 360
cgacagcatc ttgatgcacc acatcgtgct gtacagtata cttgctgtgg ttgatccgtt 420
ggtgccccgg tgcacg 436
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<210> 24742
 <211> 456
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-A6

<400> 24742

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ccggcttctt cctcttctc cttgccccgc cttcgccgg cgcggtgggga aaggagggcc 120
acatcatggt ctgcaagatc gccgagaagt acctgtcgga gaaggcggcg gcggcggtga 180
aggcgttgct gccggagtcg gcgggcggtg agctgtcggc ggtgtgcccg tgggcggacc 240
atgtgcgtg gcactaccac tgggccagcc cgctccacta cgccaacacc ccccaagtct 300
gcaacttcaa gttttctcgg gactgccaca attctcgtgg ccagcaagg atgtgcgtcg 360
tcgngctat caacaactac acggaccagc tctacagcta cggccagaag acttcgtata 420
acctgacgga gagcctgatg ttcttggcac acttcg 456
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<210> 24743
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H2

 <400> 24743

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 ggcatcaccg cgccgcagat gaagggtgtgc caagaggcgt gcgacaagga ctacgtgggtc 120
 aaggcggctg aggtcaccaa ggcttgcaac accacctgcg ccaaggagaa gcagcctctg 180
 ctcagcgaga actgcaggag gtcctgcacc cctcctcctt cctgaacgca gagcacgccc 240
 gccggtcgtc gtcttctgcc tgcttgctg acactgaatc actgatacat catacatgca 300
 tgcattggat gcgatgacga ttgatgcat gcatgcatgg gtatacctac caatttgatg 360
 accgacgatg tatagtttcg tcgactgctt catacacata tatagcagcc caattaatgt 420
 aacgtcacgc 430

<210> 24744
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-F8

 <400> 24744

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 taagcggttc acggaaaagc acgctcgctt gcgcactgag ccgcgagctg cacggcacia 120
 gccacctcac gtacgtactc gacggcgaca acctcaggca ctgactgaac agggacctta 180
 gcttcggagc agaggaccgc acctagaaca tccgcagagt acgggaagta gcgaagctat 240
 tcgccgacgc tggcctcggc tgcatcggca gcctcatatc gccctacaga agcgaccgaa 300
 gcgcgtgtcg cgatctgctg cccaagcact cgcttatcga ggtgttcctg gacgtaccgc 360
 ttcaagtgtg caaagccagg gaccccaaatt gcctctacaa gctcgcacgc gccgacaaaa 420
 tc 422

<210> 24745
 <211> 299

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-F9
 <400> 24745
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 agaggctgct ctgccatacc aaaaagcaga cagaggacca aggaaggaag cagggatccg 120
 gctttgctct gcaaccatga gctccctgta cgacgtctcc tgcttcgcgc ctggccttgc 180
 tggcaacgtc ttcgccctcg cctcttctct gtcgccggtg ccgacgttca agagggctct 240
 caaggccaag tcgacggagc agttcgatgg gctgccctac ctgctgtccc tgcctcaact 299

<210> 24746
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-G1
 <400> 24746
 aaaaggtatc agcgtcgcca atctccatgg agctcacagg cgccgcgctc cggcgatacg 60
 cgctgccgtc ggcgtccccg gtggccgcga ggggtggggag gaggaggcga ccagccaggg 120
 tggcctgcgt cgggggaggg gggttcgcgg aggaggggca cctcaggtac tacgaggtgg 180
 ccccgaggag gaaggcgggt gcgagggacc tgggaaagct ccgggccatg gggctcgtcg 240
 cgggggacgc agccaaggag aaggtcctct cggaagccac ggatcttctg ctgcaagagc 300
 tgagccagat gaaggatgtg ggatacaaga taaacaaggt ggagaaagaa cagaatgctg 360
 ctatgaaagc actgaagaag caagagaagc gcaccaagaa gactgccatc atgatgatga 420
 agtgtg 426

<210> 24747
 <211> 270
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-G10
 <400> 24747
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ggggacgcaa agaagatcca ggacgacttc tgctcgacgc tgcgcgacgc caagaaggggt 120
 acggacctgc tcgtgttcaa tgagtcctgc acgctatccc aacatttcaa cctgcagctg 180
 tacggtagta tccatcgcaa ggtcaagtgc tccgaacaga aagtcataac tgctccactc 240
 atgaacgttt tccatgacga atactacaag 270

<210> 24748
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-G11

 <400> 24748

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 ataaattaag caagatcatt accaaaccaa tctctctctc ttgcaatgac cctctcaagc 120
 gcctaggggt gctaccctag aaccaagcct gcggcagagg ggtataacct cgccggagaa 180
 gacagttatc tccatggaca gaaggtccat gacacaattg cacttgttta tgatgttagc 240
 ggtgtagtgt aatcactatt cntgttataa tgttaacagt gtaaagtctg ctgctaagta 300
 cctgggttttt agactngtgg catgggtctgt ttcacttcac attgctatgt ct 352

<210> 24749
 <211> 303
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G12

 <400> 24749

gttgccaaag aattccctcc cctagccgcc gccgccgctc gtctccctga gaggtgccgg 60
 gaccgaggat ttggccgagt tctaggtaga gaatcggttt tacttgctc agcccgggggt 120
 ctgctgcgtc tgggtgggtg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
 gcgagctcgg gaatcaaggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240
 tggagtctaa ggggtggcaa aagtctaacc gtagtcggtc tatgatggat gaagcctccc 300
 ttg 303

<210> 24750
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G2

 <400> 24750

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 tggagaaaat gccggggggc atgccgaccg tgtgcctgaa cgagtgcgtg gcctagttcc 120
 agggcgcgct ggtcgacctg cagcgggtcca aggtggcggt gcagaaggcc aaggacgagg 180
 ccgccatcca catgttggtg accgtgctta ggggtcaacac atactcagcc ctgattatag 240
 acgatcgcac atgcatggcg actaactacg tcgtcctgga ttactctgg cg 292

<210> 24751
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G3

 <400> 24751

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcggtccga aagggccatc 60
 cgctgcggtc agtgtaggtt tctgaatcat agcttggcga tgcctgaggc tagacaaata 120
 ctgagctagc cttcagaaaa aaaaagaaaa gaaagagatt gagaagcagg gagaaaaaat 180
 ggcaactggc cattgaggaa gcttgagaac cagttaacaa gaattgcaa catattcttg 240
 gacaatcttg ttaacagagt ttaaggttt cccagcagag aagagcggt gcaaccacca 300
 cattcatata attaataagc aaggtttaga gaagaggcaa catgggcaca aagatgaaga 360
 aggggatcct gaagccgttc cgctatatct caaccatcat ggatggtaag gaggctgaaa 420
 tgcaaattgg 430

<210> 24752
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G4

<400> 24752

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gttcagaagg gtgcggtgca agtaccctgc tgggcagaag atcgtgttcc acatcgagaa 120
gggctgcaac cccaactacc tggccgtgct ggtgaagttt gtggcggacg atggcgacat 180
cgtgctgatg gaaatccagg acaagttgtc ggctgagtgg aagcccatga agctctcttg 240
gggcgccatc tggaggatgg aactgcca ggcgctcaag ggccccttct ctatccgcct 300
caccagcgag tccggcaaga aggtcatcgc taaagacatc atcccggcga actggagacc 360
cgatgccgtc tacacttcca acgtccaatt ctactagact ttgaattgcc ttcgattcat 420
ccggcgcggc 430

<210> 24753

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G5

<400> 24753

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ccgatggcgc cgggtcgctg ccagcacgcc ggcctaacca gccgacggag gaattcagga 120
atgtggtggt tggggggcag ctacacggagg gggccgacgg cctcaacaag acgaagagga 180
agacgggctc ctgcaccaag gggaaggaga caacagggac cgggatatcc aaggccgaga 240
gcgccgtcgc cgccgtcgca actgcctccc gtgatcgta ggctagccag atcacctttt 300
cccaggacgg gaccgttcct accaggaagg caacttcagt ggctgggggtg gcaaggcagc 360
gtgagcttag ccataccgtc gagagtgagg gggacagtaa gatg 404

<210> 24754

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G6

<400> 24754

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tgcagccgcg gcgcagggcat ccaataacgt cacctccgac gaggattact gggcggagcg 120
 cgccgaggtg gctcggtcgc gcaacctcgc cgcctacgtc agcgaccccg tggccgccac 180
 gaaccgcttc aacgcggacg tgctgagggc cagcagcgcg cgggcgctgg cgaggtacga 240
 tggcccgctgc atggcgacca accccatcga ccggtgctgg cgctgccgcg ccgactgggc 300
 gacggaccgg aagcggtctg cgcagtgcgc gcgcgggttc ggccacagga gcgtcggcgg 360
 cgcgcccggc aagctgtacg tggtagggga cccgagcgac gacgagatga tcatcccgcg 420
 gaagggcac 429

<210> 24755

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-G7

<400> 24755

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 ccgcggcgga tcccgatccg ccgaccgctc ccagcccgcg tcgcagccat gtcgccgtcg 120
 gagccgacgc gggaggagag cgtgtacatg gccaaagcttg cggagcaggc ggagcggtag 180
 gaggagatgg tcgagttcat ggagcgcgtc gcgcgctacg ccgggggcgcg cggcggcnng 240
 gaggagctct cggtaggagga gcgcaacctg ctgtccgtcg cctacaagaa cgtcatcggc 300
 gcccgcaggg cctcgtggcg gatcatctcc tccatcgagc agaaggagga aggccgcggg 360
 aacgagggcg acgcccgcgc catccgcgcc taccgctcca agatcgaggc cgagctcgcc 420
 cgc 423

<210> 24756

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G8

<400> 24756

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 gcggctctca ctccggtgac acgcagggcg cgcataggcg agggcctccc cccccggcga 120

gggatggtgt ggtcggctgg gatggcaaca atgcgaggcg cctccgccgc cgcgctactg 180
 gtgctggcgc tcgccgccgc cgtggcgcg gcggaggacc cctaccactt cttcgagtgg 240
 aaggtgacgt acgggacgag gaccatcatg gggacggcgc agaaggtgat cctcatcaac 300
 gacatgttcc cgggccctac catcaactgc tcatccaaca acaacatcct cgtcaacgtg 360
 ttcaacatgc tcgaccagcc gctcctcttc acctggcagc ggatccagca gaggaagaac 420
 tcgtggc 427

<210> 24757
 <211> 171
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H1

<400> 24757
 ctgacgcgtc atcacagatg ctggtgtacc acacgtggcg attaggtgcc ctattctgaa 60
 ggtcactgaa cttctaattct gctgcaacat tacatacgct tccttggaca atctttaaca 120
 aagcttgccc attctgaaca ctgtaaaccg tatctctcac atggtcatta t 171

<210> 24758
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H10

<400> 24758
 gaattggata agatgagatt aggacgctcg caagctgaat ctgtggtgca aaagatagtc 60
 gagcttacta gcaatctcat aggttctgtc aaaggcgaag aattcgacat ttataacttg 120
 ctggatgatg aaattttaag cacgagcaca gcccttgagt acagtttgca taagcataac 180
 caactggagg ctgacataga catgttaaaa gaatccttgc gacagaagga catggatctg 240
 actgctgctt ataaagcgtc tgacgccaaa gatcgagagt tgaaagccgt aattggaaag 300
 gtagatgtta aggataagga actagaaaac ttggaag 337

<210> 24759
 <211> 408

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H11

<400> 24759

gcctggaaca acatcaacaa caagacggcc ttcaccaacc gcaccgacta cggcaagggc 60
 gagcgagagg cgcagtgggc cacggcacag aggacgctgc acggcctcaa ccaggccacc 120
 gccacctccg acctcttcgg cgacaaccag ggctaccgag agctgtcggg gctcgccgag 180
 caggcggcca agcgcgccga ggtggccagg ctccaggagc tgcacacgct caagggacac 240
 gtcgagtccg tcgtcaagct caagggcctc gacattgaca ccattcagca gagctacacc 300
 gtgtaaactc gactcaggtt ttttatttgc ttttttttgc agacaaatac aaaccacaca 360
 catatatata tttgtaaaga ttcgttcgta ttttcatttt caccggga 408

<210> 24760
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H12

<400> 24760

cagcattacg aggccaaaag taagctgctg ctgtttcttcg acccgtcccg ttcgttcgat 60
 tcgtttcttc cgccatggag gctcggagga agcccgcggg gtgctgtgcc cttcttgtgc 120
 tgctcatcgt cgctccagc gcaacggtgt cgactgctca tgacgagagc tgctggaagg 180
 acgacgacca ccacctatc tgccttcccg aagactgctg ggcgacctgc caggatcacg 240
 gccacgcgga cggccgctgc aactgggcat 270

<210> 24761
 <211> 338
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F7

<400> 24761

cccacgcgtc cggacggaag gactagcgtc atgggcacgc ccaccgagac ggccatcctg 60
 gaggtcggcc tcgagggtga gaagtacacc aagggtggag acgcggacgc caagaagctc 120

aaggtggagc cgttcaactc ggtgaagaag accatggccg tggttatcgc gtccccgaac 180
gcggccggcc acccgcgcg cgttcctcaag ggcgcgtccg aggtcgtcct gagccggtgc 240
ggctccgtct tggacggcac cggtgccgca gagaagctca cggaggcgaa ggcgaagcgc 300
gtggccagcg ccatcgactc gttcgcgtgc gaagcgct 338

<210> 24762

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E2

<400> 24762

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gcagcaagaa ggcgctgcgt tgggcgatcg acaacctggt ccgcaagggc gacaccctcg 120
tgctcctcca cgtccggcac cacggccgtg aggagggcaa gaacgtcctc tggccccgca 180
ccggatcgcc gctggtcccg ctggaggagc tcatggagcc gcccgtagg cagcgctacg 240
acgtgccgta tgacgcggag gtgttcgaca tgctcaacgc cgcggccccg cagaaagaga 300
tgtacactgt tgttttggtg aaaaaggctg ccagataaac tgcccagctt gtatcactac 360
atgagaaagt cactggacag catcactatt accatTTTTT ttaacaaggg atagaatggc 420
tctgctta 428

<210> 24763

<211> 274

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E3

<400> 24763

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tgcgtgccaa gataaaggta atggagtctt cacgcacgtt ccagccggcc gacatcctgc 120
ttctcctgct catttgtgtca cacacgatat ggcacaagca aaggaatgct acaagtacaa 180
tgagcgattt gttgaggcat gcatgatcgc agacaactac gccaatctct gccccgtta 240
cgacttggtg gccgacacgt gcagcaacta catg 274

<210> 24764
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E4

 <400> 24764

acaagatctg cagtttcgct ggcgccgtga aagccaacag cgatgtagct gagaccgca 60
 gcgtcccgag cacagaatga gctcccgttt ggttcagagt gacatgttca aaaatttctg 120
 gaatgatcgt atattgatcc taggacaggc aggaagtctt ggggcttatg tagtgtacaa 180
 tttctgtatc tcatataccg tgctcgttgc cagtttgtac tataccatat ataaaccata 240
 gaacatgtga catttagaag tctggccaag gtcagctgta atgcttcaca tgcttatagc 300
 ctggaaacat tagacattga aaaacccgag cagtgaataa aggatgccca aggcagaaac 360
 tttgatg 367

<210> 24765
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E5

 <400> 24765

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 tcctctccct ctccctctcc gatccattct ccagcgcagc gaagtaaaca tgtctgaccg 120
 ggcaaagatg tcgtggcagg cgtacgtgga cgagcacctg atgtgcgaga tcgagggcca 180
 ccacctcgcg gcgggggcca tcgtcgcca cgacggtgcc gcctggggcg agagcacggc 240
 gttccccgag ttcaagaccg aggacatggc caacatcatg aaggacttcg acgagccagg 300
 gcacctcgcg ccgacaggcc tgttcctcgg acctaccaag tacatggtca tccaaggcga 360
 gcctggtgcc gtcatccgtg gcaagaaggg atcaggaggc atcacctga agaagacagg 420
 gcaggca 427

<210> 24766
 <211> 424

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E6

 <400> 24766

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 gccgcagcct ccgcagtcgg cacctgcctc caccgacttg cgtgctcgtg cgctactctc 120
 ctagagcgca ttgcgctgca cggggacatc aaatggcggc agcggcgag atcgggtggtt 180
 tcgcggcggc gagagtggcg gtggcgacgc tcaggccggc tgcgcacca gccccggcgg 240
 cggcgggtggc accgcagcct aggagggcgg tggcgggcga gtcgctgcag acgaccgcca 300
 ccgagggcgt gacggcggtat ctgcggcgca cgaccaacgg cgctgtgcat gtcgggatga 360
 atagtaaggc tacaagtga atcacttcac aggcagttac tgcaaattct atgagaaaga 420
 caaa 424

<210> 24767
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E7

 <400> 24767

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 ggaacttcag aagcatggta gtcttggtat tgtaatgggt ttgggttggt ataaggctga 120
 tctacatgat aatcgaagtg taccctcgca ggatgcgcag gactacgcag agaagaacaa 180
 tatgtttttc attgagacgt cggccaagac agctgataat ataaaccaac tgtttgagga 240
 aattgcaaag aggttgcccta ggccaacggc atcgtgacag aacacttggt tgtattgctt 300
 gtaccatgta atgcatgcca gtccatatac acgggtactg tatggactac ggaagacctc 360
 tcatgtaaag atatttcccc cattctgtca tagttgtgga tgacaattgg tattgagaat 420
 atcct 425

<210> 24768
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E8

<400> 24768

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gcgttgtgta tggattccaa aagcaatcat acaggggcta tggcgaggcc ttacaaacct 120
aagaatatcc tcattacagg agctgctggt tttatcgctt cccatgtcgc aatccgcatt 180
accaagaagt accccgatta caagattatc gtccttgaca aacttgacta ctgctctaata 240
ctgaagaacc tgcttctgtg gagctcatca ccaaacttca agtttgtgaa ggggtgatatt 300
gcaagtgttg atcttgtcaa ctcccttctt gtcacagaga acattgatac cataatgcac 360
ttcgcggccc agacacatgt cgacaattca tttgggaatt ctttcgaatt taccaagaac 420
aatatatt 427

<210> 24769

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E9

<400> 24769

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cgggacctgg cggaggcggc gctccgcgcg gcgacgaccg cgggcggcgc ggcgggacgac 180
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tgcgccgggg agatcgagga ggcgtggac cacctggacg acaccgaggg cggcctcgac 300
gacggcaagc tccacgacgt gaagctgttc ctggacacgg cggatgagga cacgtggtcc 360
tgcgacgtc 369

<210> 24770

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F1

<400> 24770

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gcgcgagggc ggggtggagca cggagtacgg ggagttcttc atgagctggg actcgcagat 120
gtcctctggag cacggcgagc gcatcctgtc ggcgggcgacg ggcgtgttca cgggttcccc 180
cgcggtgaag atctcgggtga aggtggccgg gatccactgg cactacggca cccggtccca 240
cgcgggcggag ctgacggcgg ggtactacaa cacccggtcg cacgacgggt acgcgccccat 300
cgcgcgcatg ctggcgcgcc acggcgccgt gctcaacttc acgtgcgtgg agatgcgcga 360
ccacgagcag ccgcaggacg cgcagttgcc gcccgaggcg ctggtgcagc aggtggccgc 420
cgcggcg 427

<210> 24771
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-F10
<400> 24771

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caataaccaa tgacaatccg aacacatggg gttgtttgct agtagcctca tcatgcgtct 120
cattagaatt gaatggacct taacatattg tgttcaaaaa tcacaggtga gaagcatagg 180
tagcgacagt tattgcagtc ttgatgaata ggggaggaaa gcggcggccg atacaccggc 240
acaaaacttt gttagcgcta atgaagaaac ggcaacgaat acggggggcag gtgaagctgg 300
cggttgtaac gggttccccca cggcttgcatt ttctcggggc caaagaatta taagcatt 358

<210> 24772
<211> 326
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-F11
<400> 24772

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cgagaatttc gaggctaagg tcgcggattt cggacttgcc aagctgacca cagacaccaa 120
cacgcacgtc tccacgcgtg tcatgggaac ttctcgggtat ttggcccccg agtacgcgtc 180

gagcggcaag ctcaccgaca agtcggacgt gttctccttc ggcgtcatgc tcctggagct 240
cattaccggc aggagaccgg ttgatccac gaactacatg gaggacagcc tggtcgactg 300
ggccaagccc ctcttggcgc gcgcgc 326

<210> 24773

<211> 327

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-F12

<400> 24773

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acgcgctggc ggtgctggcc accaggatgg ccatcgacca cgccgccagc accgagtcca 120
agatcgacga cctcgcgag ctggaagcgg cgtcgtcgga tccgcaggcg cgcgcacgct 180
tcaaccactg cctggagcag tacggcggcg ccgccgacct cctccgcgac gcgctggaca 240
acctcaaggc caagatctac ggcaaggcca tggagcagct gaccgcggcg atgggcgcct 300
ncgagagctg cgaagacgcg tggaaag 327

<210> 24774

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F2

<400> 24774

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cacgctcgac gacgccgcgc gcgccatcgc ccgcagcccc gagggcgccg tgcccgctctg 180
gcgccccagg gccgcgccgg acgacgcgcc ctcgggggcc aggttcacgc gcatgatctc 240
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cgtcgtcggc gaggtcgtgc agcccaatcc tgcgctgctc agggagatcg atccgggtac 360
caggttgatc gatgctctgg aactgatgag gcatggagtg aagcgcttcc ttgttcgcaa 420

gagtgggagc t 431

<210> 24775
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F3

<400> 24775

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gccagcgctg gctgtagcag gtacggcaag cactccgatg aaggccccct caactactgc 180
gagtacggct cctccaggaa cgactcggag aagtacctga aagaggagaa ggagcacaag 240
cacaatgagc acctcggcaa cataggcacc cttgccgtcg gaggccttcga cctgtacgag 300
aggcaccatg cgaagaatga cccggagcac gcgcagcatg cacaagatcg aagagggcct 360
aactgctgtg gctgccctgg gcaacagccg cttaacgttc cagagcacc acgacaagaa 420
gaggccaa 428

<210> 24776
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F4

<400> 24776

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ggatggtgcc tgcgctcggc tagacaccag tggcgtacc acggccgtct acattaccgt 120
ccatcacatc gccgtgttca tagaggccat cgaccttttc gacggggacg gtgacaggag 180
catctcagcc agagacctcg aagctgacgt gcgatcactg ggtcagaact ccaccgagga 240
tgatctccat gacatgacca tcgaaggcta tactgacggc tactgcacta tcgatttcac 300
tgagttgatg cacctcatgg tcagcctgat gaaggacacg gacttgtagc aggagctcaa 360
cgacgactgc atggtgatca ccgacgacca c 391

<210> 24777

<211> 369
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-E12
 <400> 24777

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 cacttcacgc acctcctcat gccgacggcg ccatctacca taagacatgc ttcaagtgca 180
 gccactgcaa aggggtcctc tcgatgtgca gctactcctc catggacggt gtgctgtact 240
 gcaagaccca cttcgagcag ctcttcaagg agaccgggag cttctccaag aacttcacgc 300
 caggtggcaa gtcacagac aagggtgaac tgacaagggc cccaagcaag ctgtcgtctg 360
 cattttctg 369

<210> 24778
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-F5
 <400> 24778

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 agcatgatga tcggctcggg aagcctgctg atgggcgccg gcctcaagtt catccctgtc 120
 gatccgggca gtgaaggctc gtctgaccgc cacgatgggt accagcccat cccacccggc 180
 cccaacgcgc tgtgatttcc aagaagacct cctgccatcc ttcttgattt ttatttcctt 240
 ctatagaaac aatagaactg aaccctcgga tgcgtttgca gtttggggaa aaaaaagatg 300
 ttttagatag gagcgacggt tgcataatgat ggccgtcctc aagaatttta atcctcgtct 360
 cttggctatt ttgtctttgt agccggcaat gttttgtttc tgaatttgga tgatagaatc 420
 gatgt 425

<210> 24779
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C6

<400> 24779

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tctttgaagg tggctactga acgacaaata gttggtggaa tttccaaatc tggatgatgca 180
atagatgtcc aatttgagct aaaagatgag gtacagtttt tgagggaatc aaatgaaaac 240
ttaacaatgc aactgaagaa gagtcaagat gcaaatatag agcttgtttc tattcttcag 300
gaactggaag aaacaataga ggacaaaaga acaacaatct ccaatttcac tcaaatgagt 360
aatatgattg atcaagatat acccagcaat gcattatcag cgcaagagga tgcagagtgg 420
gaaagaa 427

<210> 24780

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C7

<400> 24780

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gtccctagaa agtttgacaa agataggaaa ttcacaactg ataggatggg acgccagctt 120
tcatccatgg gtatggatcc tagtgctgcc atgaatagaa ttcgcagtca gtctaggggt 180
cgcaggcttg aaaggtcatt gagcaaagct gcaccgaatg gtgcacgggt ggatatagat 240
ggccagcaga gcaccggaat tgcgtcggac atttaggtgt aggtctaggg ctaggtgacg 300
tgctcccagag gaagtgcctt ctggagaaag ggtcaagggc tctgagcaca agaaaaaggc 360
tatcaagaaa gcacaggccg ctactaggaa cag 393

<210> 24781

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C8

<400> 24781

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 cttgagtttg ctctacatgg gaacaaatga tatgcaaata ctgtttccat atgctactgc 120
 acttaagaag ttagaccttc agtttacatt cctttgcaca gaggatcatt gtcagatagt 180
 tcaacgcgtc tccaatctgg aaaccttaga ggtgagggat gtcatagggg atcgtggact 240
 acaagttgtt gcacagacct gcaagaaatt gcataggctc agagtagaga gaggagatga 300
 tgatcaagga ggtcttgagg atgaacaagg taggatttca cagggtgggt tgatggctat 360
 agcccaaggc tgccctgagt tgacatactg ggcgatacat gtatcagaca ttacaaatgc 420
 agctt 425

<210> 24782
 <211> 360
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C9
 <400> 24782

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 ccggtcgtcc tgccgtccgg ggatcgatct ggccatggga caaactgag atcctcgtcg 120
 tcgtgagccg aacgttaatc cggcggacgc gatggcggcg ccatatgctg cagacgcaga 180
 taggatgaca atcacgtacg ccgtcgatga caactgaccg atgggtgcggc cataccttga 240
 aagctgtcag gacacgttag cagaccttgg gtactctgtt gtggccgtgt gcatcgacaa 300
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<210> 24783
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-D1
 <400> 24783

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 aagaagaaga agttcgtcag cgacggtgtt ttctacgccg agctcaacga gatgctgacg 180

cgggagctgg cggaggacgg ctactctggc gtggaggtgc gcgtcacgcc gatgcgcacg 240
 gagatcatca tccgcgccac gcgcacgcag aacgtgctcg gcgagaaggc ccgtaggata 300
 agggagctca cctncgtcgt ccagaagagg ttcaacttcc ctgagaatgg cgtagagctt 360
 tacgccgaga aggtcgtcaa ccgtggcctc tgtgccatcg cgcaggccga gtccc 415

<210> 24784

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-D10

<400> 24784

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 aaaattgggc agaacatgaa tggcattgtt cagcttccat ttctatgctc ctgccgtcca 180
 aatcttatgc cattagataa cctccaaact gattggctct atactagcta tatcccgtg 240
 cagagcctta agtgcaccca cagaatagcc aagaaaggaa gccgaaaaat tccccgagga 300
 gagccggaat attaaggatg ttttgaaggg aaaaaaagat naaaatgaga gc 352

<210> 24785

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D12

<400> 24785

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 atgggttcaa gaacttcaag ctcaaggaaa tcagaatacc atagtggctc ttgctggaaa 180
 caaggctgat atgctagatg cgaggcaagt gccagcagag gaagcaaagg cgtatgctca 240
 ggagaatggg ctcttcttca tggagacatc tgctaaaact gcaatcaatg tgaatgacat 300
 attttatgag attgcaaaga aattgcttca agggcaacaa gctccaagcc cacaggctgg 360

aa

362

<210> 24786
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D2

<400> 24786

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catcgccctcg gtgaagctcc gcgtgcagac gtcccggggc gtgagggcgc gcaagcagaa 120
gctcgtcttc ggcgggcgcg agctggcgcg cgacgacggg cgcattccggg actacggcgt 180
ggcggacggc aacgtggtgc acctggtcat ccgcgtcccg gacgtgcgcc tcatcaccgt 240
ggagaccgtg cagggcgcca agttcagggt ccgcgtggag cccgggcca ccgtcgggta 300
cgtgaagcag cagatcgcca aggaccacc ccggggcgcg cggccggcg agcagcggct 360
cgtgctcgag ggcgaggacc tcgacgaccg gcacctcatc cagcagctgt gcagggccga 420
cggcgccgt 429

<210> 24787
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D3

<400> 24787

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catggcgacc aaccccatcg accggtgctg gcgctgccgc gccgactggg cgacggaccg 120
gaagcggctg gcgcagtgcg cgcgcgggtt cggccacagg agcgtcggcg gcgcggccgg 180
caagctgtac gtggtgaggg acccgagcga cgacgagatg atcatcccgc ggaagggcac 240
gctgcggcac gcggtgatcc aggaccggcc gctgtggatc gtgttcgcgc gcgacatggt 300
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gcaggtgcac atcatgttcg cgcagatcac gctgcagaac gtgcagaac tgatcctgca 420
caacc 425

<210> 24788
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D4

<400> 24788

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cagtcgcccc cgacggcggt gtcgtcgggc gccgccaagc ccaagtgcgt ggccggcgcc  180
aggaacgacc acgcgtgccg cgtcggcgcc gtgcacgacc cggacagcca ggaggaggag  240
ggctccagcg tcaccatcga cgcgcccgcc gccgcgcccc acgacgtcgg ccacgacgac  300
ggcagcgact acaacgaccc cgacgtgcc aacaacgacc agctcgtcgt cgtcggccac  360
tgaaagctgc cgcgcgcgcg cgcgcgccga cccgtggacc atgcgtgcat g           411
  
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<210> 24789
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D9

<400> 24789

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gacagagtta taaacaacgg gtgggcagct ggacggctta cctcgacgat tgcaggagag  180
gaaaatttcg tcttcagctc taacagcgta cttaggcaat gatctagttt tgttttcctt  240
tatctataca ttgaaaacgg taaataatag tcttgccgat ccaatagaga tatcgttggg  300
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tttgaagatt taca                                     374
  
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<210> 24790
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-E1

<400> 24790

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tgaacaaatt cagcaagcac ctgtgcaggc agatatgtcc ggaggccgcc agcttcaccc 180
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tcgcccgcgc gctcgtctcc ggcaagcccg ccacggacct cgtcatgcgc tgcgtcggcg 360
cctncagcac cgacaacttc cctgacgaga ccacgagaa cagctcgtg ccgcacgaca 420
tggttaac 428

<210> 24791
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E10

<400> 24791

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acgttgctgc aggggaaggac attcagggga tcccgtggga gaagatgctc ttcgggaggg 180
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gggaggatgc tttgcaggag tgcaaacaag tgacgaaaga tagtccttac tatgatttcc 300
actacaacac aaggcgtgct cggccatcaa ttgtacaatt tcagctacgg aacctagtgt 360
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<210> 24792
<211> 423
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-C5

<400> 24792

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atcagcctcc tcaaggccct ggtctactgg gtggcccagc tcttgggctc cgtcgtcgcc 120

tgctctctcc tcaagatcgc cacgggcggc gcggccattg gcgccttctc gctgtcgggc 180

ggcgtcgggc ccatgaacgc cgtggtgctg gagatggcca tgaccttcgg cctcgtgtac 240

acggtgtacg ccacggccgt ggacccaag aaggcgacc tcggcgcat cgcgcccac 300

gccatcggtc tcatcgtcgg cgccaacatc ctggcgngg gcgccttcga cggcgccctc 360

atgaaccccg ccgtctcctt cggcccgcc gtcgtcaccg gcgtctggga gaaccactgg 420

gtg 423

<210> 24793

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E11

<400> 24793

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tcgaagggtg ggcagccggc aggcgagcga tttcattcga catgaatccc gagtacgact 120

accttttcaa acttctgctt attggtgatt ctgggtgttg gaaatcatgc ttgcttctca 180

gatttgcaga cgattcttat ttggacagct atatcagcac aattggggtt gatttcaaaa 240

ttcgcacagt ggagcaagat ggaagacca taaaacttca aatttgggat actgctgggc 300

aagagcgctt caggacaatc actagcagct actaccggg agtcatgga atcattattg 360

gatatgacgt ga 372

<210> 24794

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B1

<400> 24794

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aaccgttcag tctcaacttg acaattttcg tagagttgca atagatgaaa attttgatga 120
ccatgcaata agacaatggg atcaacgaaa taggtcttca ggtcccttc cacataatgt 180
gtctgaagat gctctttctt cttttgatac ttacgatgtt gtttatggag aacaagatgg 240
tctaggccca aaagcatttg atgtacatcc aatatctatc ttgcatcaac caagaaacca 300
tattttctgat aacattcaga tatatcaacc aaataaggag gcttcctcag aggtctctga 360
ggagcattgc aaggaagtcc agtgcacga aacaaatgag cttaggagga gtccattatt 420
ctttcctgtt ga 432

<210> 24795

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-B10

<400> 24795

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catggcgggc gtgccgtcaa cccgctgggt gccggcatct gctctcgcg cccattccca 180
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gccgtgctga acatgcaggt ggccgcgttc gccaaagcga cagcgcatgc gcggaagcac 300
gtcgcggtgg cggcccgcac tattccaccg ncgaggcac aggccctcag aacctgcgac 360
acgatgtaca tgaacacgc 379

<210> 24796

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B11

<400> 24796

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tttatctaga ctcgcttagg aagaaatcgg ctgccaggct agctgctgga gcacatgttg 180

ttggcaacgt gctggtgcat gagagcgcca agattggaga aggttgcttg atcggtcctg 240
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tcatgcgtgg tgtgcgtatc aagaagcatg cctgcatctc gaacagcatt atcgggtggc 360
actcaactgt tggacaatgg gcacggatag agaatatgac cattctgggc gaagatgttc 420
atgtgt 426

<210> 24797

<211> 351

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-B12

<400> 24797

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agcttgcaact agcgggtcgg cggcctaggc gcggggcatc ttcgagtgc gtgcgtgtct 180
gttcaagctc tgatcgtctc tccggcccat tcgccggagg aaactgaccg ccgncttctc 240
gctctcgtc tctacctat tcccggggct gaaaaggag gagagaaagc cacgtccaca 300
ccataaagca ggacgtacag acacgtgtac gagggggatc acggtcgggt g 351

<210> 24798

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B2

<400> 24798

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tatatatcac acacacacac actcacacat tctcacactc aagtctcgtt ttgccatttt 180
tcttttcttt ttctctacga cgcttcgtta ttccctcttt tcatctatct ctccgtgaac 240
tcggtttgtc gtccagctgg ctgtaagtgt accagatgcc ttcgttacgt ctgatgaagc 300

tcatgacaat ggcgattttg gcatggagct gtgttagcct cgcgaaaaa ctgtaactgt 360
gtaagcagaa ctgctatata ttggtcctaa caatgttgct ctt 403

<210> 24799
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B3

<400> 24799

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atggatggga gacggtagcg gaggaacga gcggttatgt tgggtgtcgt ggatctgata 180
gcatgacttc gtagcttcgt ttggttgat gtcaagtgtt tgtacaatgt aatctagggt 240
atggatttgg gaatagaaga aaggtgcgcc aggttcgatt tgtttgata atcaaataaa 300
ggtagtcca tggagccacg atttcacgtc ctggatgtca agtatacgtt gttcttctgt 360
ggatatcaca aatacatcat tgctccggtt cgttcagag cagg 404

<210> 24800
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B6

<400> 24800

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tctgcctaca tgggtggtctc tctccatcac tggatacttt ggataatgtc cgctcccttg 120
atgcataca agaggtcccg catgaaggac ctatgtgtga tcttttgtgg tctgaccgg 180
atgacagatg tggatgggga atttcaccaa ggggtgctgg atacacattt ggccaagata 240
ttgcacaaca attcaaccat acaaattggc taagtcttat ttcaagagct catcaacttg 300
taatggaagg gttcaattgg tgccaggata agaacgttgt gacagtgttc agcgcgccta 360
actattgcta ccgatgcggg aacatggctg cgatcctcga aattggcgag aacatggatc 420
ag 422

<210> 24801
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B8

 <400> 24801

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 taccagctgg aatgcatgtc gacgacgatg gtttcgagtt tcgacttcca ataataagtaa 180
 caacaaagca aaggccttcc tcccggcgta tttgctttgg ctcttctcct ccacgccata 240
 agatatctag caattggtca ctgcgcttaa ttagttcgct ttgcttttga ggttgattcg 300
 accatthttgc ttagcgtga attgcatgca tggacatgca acgctccaat ggcctttgga 360
 atgtggaatt tttttccca ttttctgtat ttttctata aaaaatgaac tggttcttat 420
 ataa 424

<210> 24802
 <211> 332
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B9

 <400> 24802

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 aaggaaaaaa cgcgtctctg aattccacac ggccggcgaa gacacttgaa cagtcttgct 120
 ggcaatggga aacaagggac cagtgccaac acaggaatcg acgaatgatg acgccgagggc 180
 accgtcgtct acgtctgctg cgagcaatac taagagcaag acagacgtgg agcgagagca 240
 gctgttcgaa ggatcaagcg acgacgacgc ccacacgcca cggaagagaa gcacccagga 300
 gatcctcacc aaatacaagt tcaaagggga cg 332

<210> 24803
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C1

<400> 24803

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gcgccaacc tagaaagcga cgcgaggacc ggagagggaa ggggaggcgg gccggctggt 180
caagggcgga cgatgtgctg cgcgggcgac ggggagtgcc ggccgctcgg gtggctcctg 240
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atcgggctgc ccatctcgtg catctgcccc tgctgcctct gcgtgacggt gctgctggag 360
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<210> 24804

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C10

<400> 24804

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ggccctgcca gcgccagcgg gccatcggtt ggtgacgcc cggcgtatgg cgccagcgc 180
agcgccagcg gcccgactgc tgatgtctcg gcgaaggcga cggcgggcgg gtcgtccggg 240
ccctctagcg caccgcgcgc atcgtcgtct gagtcctcgg gcgcaccagg gccgtcgtcg 300
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<210> 24805

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C12

<400> 24805

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caaccttttg tctcccaaac ttggagctcc caaggggaga ggttctgcca aaattttggc 180
 ttctgagcat ccattttcaa ggggaggttc tgccaaaatc tgctcctgtg aacatagatt 240
 tctcaagggg aggttctgcc aaaatttctt actgtaacca ccagctttcc agggggagat 300
 tctgcaaaaa tttcctgcac tgatcatcat tcttctaaag ggaggttctg ccgaagtttt 360
 cttgtgtgac gacgacgatc agtt 384

<210> 24806
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C2
 <400> 24806

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 gacaaagttg ccaactctgc ctacgaagat tggctagctt cggaccaaca agtccttagt 180
 ttccttcttg cctctgtctc caaggatgtt ttgatccaga ttgcgactaa gcacaccgag 240
 acggaggcat ggcattgcaat cgagaccatg ttctcgtcac aaacaagagc tcgggcagta 300
 aacacgcgcc tggctttatc caccgcccac aaaggggaaca tgtcggtggc cgaatatgtc 360
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 gaattggtg 429

<210> 24807
 <211> 362
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C3
 <400> 24807

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 ccaaagtccc ccctggcaag aacatcacgg ccacctatgg caaggactgg ttagacgcta 180
 aagcaccatg gtttggcaag ccgacggttg ccggtccga cgacattggt ggcggttgcg 240

ggccaagga cttgaccacc cccctttaat atccatgcgc gcgcggggaa atatccatat 300
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 gc 362

<210> 24808
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C4
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 ggttctgtgc ctctgttag cgacagggcc gcagggggcc atcagcgccg aggggatggt 180
 gtcatttgac aatttgatca gctgcaaggc actgggcaac tgcgacaaga acctgggccc 240
 cgaggcctcc cgcccaggga aaccgcgcaa cgactacacc cgcggtgca acccgatcac 300
 cggctgtcgc ggctgatcat atctctctgg tcgatgtgcg cgcaatgtca atgtcgcacg 360
 cgcggtgcagg taccaggcct cagcgtgtgg tgccgcgtgt gtgtatatat tacacacatg 420
 cattatacat 430

<210> 24809
 <211> 250
 <212> DNA
 <213> Zea mays
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 <400> 24809

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 tgaagaaggt cctctgcgcc gccctcgtcg acgacgactc tgacaccgctc gtgctggcct 180
 cggtcgactg ctaggcgctc tccgagggcg ccgcacactc cgctgtgggt ggggctggac 240
 ctaacgcaag 250

<210> 24810

<211> 286
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H12

 <400> 24810

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 caagggagggc ggcgaggacg aggagccggg tcttggtggt tggcgccacc ggccgcctcg 180
 gtggaaacat agctcaggcc agcctcgccg cgggtcacc cacttcgcg ctcgttcggc 240
 cccaccactt cgcacgcccc gattcccccg tgctcgagcc gctcgt 286

<210> 24811
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H2

 <400> 24811

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 cagacaaggc aacaacaatc tgttcgggcc gccaaacaaa accaaaaaaa aaacacactg 120
 aaccaataa tccgatccca cagaaacttt tctctcggtc cgttcgatcg atcgctgccg 180
 tgtcgtttgc cagacaccat cagcacccaa aaccatggcc tgcaacctgg ctcaagtgcg 240
 caccgccgcc gcggcaaccg tggggcccg aacccttggc ctgtgttgtt ccgcttcgtc 300
 ttcttcttcg 310

<210> 24812
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-H3

 <400> 24812

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cctcagcgcg gccgaggcac cggcagagtc accgaaggca ggcagtcctg ccaaggcacc 180
ggccgagtca ccgaaggcag gcagtcctgc agctcctgcc aaggcaccgc agtctgctgc 240
cacgagaact gcccccgcta aggcacctca agccgtctgc acccccgccg ctgccgctgc 300
cccatcgctg tcgtcgtcta ggaagtctgg tccagctgcc gcgccgacca ccgccgnctc 360
tacaccgtct tcttcacgg acgaggagt gagccct 397

<210> 24813
<211> 292
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-H4
<400> 24813

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gactagataa cagcaagcgt gaaccatggc ggacgagtac ggccgcagcg gctacggcag 120
gtccggcgcc ggcgacgact acgacagcgg ctacaacagc aagtccggca ctgatgacta 180
cggccgtggc gaaggtggct acaacaagtc gggcggcgat gacgactact gccgcagcgg 240
cggcgatggg tacggcaggt ccggcggcga cgactactgt cgtggcaccg gc 292

<210> 24814
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-H5
<400> 24814

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cggctgtctc ggccgtcgcc gccgcggccg ccgccctatc ccggtccttc aggtgaacca 120
ggttgggccat ggccttcaac aagatcaagg tcgccaaccc catcgctcag atggacggcg 180
atgagatgac caggggtgttc tggaaatcta tcaaggacaa gcttatattc cttttcgtag 240
acctcgacat caaatatattt gacctcgggc ttccacaccg tgatgctacc gacgacaaag 300
tcacagtgga ggctgcggag gccacactca agtacaatgt ggctatcaag tgtgccacca 360
ttacaccaga tgaagcaagg gtaaaggagt ttggcttgaa ggctatgtgg aag 413

<210> 24815
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H6

 <400> 24815

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aggtccggcg ccggcgacga ctacgacagc ggctacaaca gcaagtccgg cactgatgac  180
tacggccgtg gcgaaggtgg ctacaacaag tcggggcggcg atgacgacta cggccgcagc  240
ggcggcgatg ggtacggcag gtccggcggc gacgactacg gccgtggcac cggcggcggt  300
ggctacaaca agtccggcgg cggagacgac tacggccgca gcggcggcga cgactacggc  360
cgtggcaccg gcggcggcgg gtacaaca                                     388
  
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<210> 24816
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H7

 <400> 24816

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gtcggtcgct ctgttcagct agctgcatgc tcggccacca tatctcctcc agtacgttcg  120
tcgttctcca cgccgctatc tggctctgcg taagcagcag ctagaggccg ttgtgtaggg  180
tacacagaag atcatcgagg atgctggtga agaagaacaa cagcacggcg atggcggcgg  240
gcgtgctgcc gctggcgctg ctgaaccaca tcagcatcgt gtgccggctg gtggaggcgt  300
cgctgcgctt ctatgcggac gtgctcggct tcgtgcccat ccgccgcccc ggctccttcg  360
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<210> 24817
 <211> 95
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H8

<400> 24817

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gtgactagat aacaacaagc gtgaaccatg gctga 95

<210> 24818

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H9

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ttctcgacta cctggataac ttcaaggaac gcaacgagtt ctggtacgtg aagcgcgact 120

cgtgctcaga gagcgagaac gaggagaggt ccgacgagaa atggtggatc ccgatcgtca 180

aagtgcccc cggcgggctt gtccagaact ctaaaaggct gcttctggac caaaaaggac 240

ttgtgaaaca agtgcttaaa gcctgccttg gccataatgg caacttgctt aatgaaaata 300

accttccgga caccgatttt gaccgccttc cttaaaaccg gaaaaccaat cttgggg 357

<210> 24819

<211> 254

<212> DNA

<213> Zea mays

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<400> 24819

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gtattttaata aataaaaaca aacttaaatt aatatccgtc catctgattt tctgccctt 120

ttatctggtg cgcgctcttt tactttttcg ttctcttacg ctgtccttca tcttctttat 180

cttcccatc ctcttctgaa ccacgtttc tacagcttct atttttacct tgtttcttag 240

tctgcctctt gtta 254

<210> 24820

<211> 367

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A10

 <400> 24820

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 ggccgtcgtc aggggcgcgg gcgccccgtc gcagtcggag ttggagtcgg acccggagaa 120
 ccagtgcgtg tacacggtgt acgtgcggac ggggtccatc tggaaggcg gcacggactc 180
 gaccatcggc gtgacgtgc tgggccccga cggcacgggc atccggatcc gggacctggc 240
 ggagtggggc ggcctcatgg gcgccggcca cgactactac gagcgcggca acctggacat 300
 cttcagcggc cggggccctt gcatgagcca ggcgccttgc gccatgaacc tcaccttcca 360
 cggcacc 367

<210> 24821
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A11

 <400> 24821

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 gaaaaagttc gcatatggag cattcaaac cgtgaaattg ttgattggaa agatttgcatt 180
 gaaatggtca ctgctgcttg ctatacccca gatggacaga gtgcactaat tggttcccat 240
 aaaggcagct gccatattta tgatacatct gataataagc ttctccaaaa gaaacaaatt 300
 gacctgcaa ttaagaaaaa gaagtccagt cagaagaaaa taactggatt tcagttcctt 360
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<210> 24822
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A12

 <400> 24822

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 ttggaggtgg aaagtctccg cttgaggtgt tcgtttcatt ccgaggacgg gagccttcgc 180
 ctgaaccact tcttagacaa aacggcttgc ttctgttgc tgcctagtgc ccaaagatt 240
 tctctgttat ttatgcttaa acagggacca ttttcatccg gtcaattatt tgatgaagat 300
 agacatttcg cccttgtttg tttaccctcc tctagattat taaataagtt agaagacaaa 360
 caaacaacac atattattaa tgtatgtgtt ttggatatgt gtctagattc a 411

<210> 24823

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A3

<400> 24823

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 gctgaggagc ctctctctcc tttggcgagc tctaacgctg gcgttggtct ccttcatctc 180
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 actatgagat cctcaacgtc gaccggagcg ccaccgatga cgacctccgc agggcctacc 360
 ggcggtctggc catgcggtgg caccgccata agaaccgccg cggcaaggca gagggcgaga 420
 cccggttcaa g 431

<210> 24824

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A4

<400> 24824

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agacgtacgt ggacgagcac ctgatgtgcg agatcgaggg ccaccacctg acgtcggcgg 180
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 ggctgatcct gggaggcacc aagtacatgg tcatgcaagg cgaacctgga gctgtcatac 360
 gtggcaagaa gggatccggg ggcattactg tgaagaaaac agggcagtca ttcattcattg 420
 gcatcta 427

<210> 24825
 <211> 254
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A5

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 tttacacgtg ctctggaact acttcccacg gaaactacta ctacctgttc tagtaaaatt 180
 catgtacttg tttacaccac atgagatagc tcatcccaac atgcattctt gaagtatcag 240
 catacgtcta gacc 254

<210> 24826
 <211> 310
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A6

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 gatgcagcga atgccatcga gctgcgcttt tacatgttta tcatcagatt ccattttgcg 180
 gcccgaacaa aggtgtgacc ggggtggggt aggcgactag attgcacgat tatgtacttg 240
 agatttgttt gttgaactgg gttgccgacg gttaatcttc tccatttgat tttatcttgt 300
 tagcagcgca 310

<210> 24827
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A7

<400> 24827

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ggtgtaatgc gacacctgcc gggcgggggt cgagacgaac gcgacgacgc cgatcgcggg  180
cgccaagggt cggctggagt gccggcacta catgagcgcg agcgggcggg tggagcggtc  240
agcggagggc accacggacg cggcagggaa gtaccgcac gagctgggtg acaaccgcgg  300
cgccgaggag gtgtgttcgg tggcgctggg cagcagcccc gtgcccgggt gcgccgagaa  360
ggaggttggc cgcgaccgcg cccaggtgtc gctgttcacg gacgccgggg ccggcctcgc  420
cacc                                                    424

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<210> 24828
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H11

<400> 24828

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gccgccatgc cgtcgctccag ctcccaagac ggcgtacctc cttatgttct ccagatccgg  180
aacctgtcgg atggtgttcg gggttcggcg accggaaaga aaaacgtttt ggcccgggtc  240
cagctacgta cttcccttat tctttgacca agcctactga ggagaggaaa gagcatgac  300
gcaagagccc ggtgacagca ttggaggtct atcccagcaa aaaaacagac caccgatctt  360
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<210> 24829
 <211> 356

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-F5

 <400> 24829

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 ggttcctttg tcaccgatgc tctgcagttt gatcagggtga ctagggatgg gcagacacag 180
 acggctaata ccagcgctcat tttcgggtgt ggtgctcaac aagggttgga tttgggaagt 240
 tcaaaccaag cccttgatgg aattcttggg tttggtgagg caaatatc aatgctatca 300
 caactaacta ccgctggtaa agtgaagaag atatttgccc atagtttaga taccat 356

<210> 24830
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-F6

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 tgactgtcgc cagcggctgc tgggtgttgc ttggttgctg ccgcgcggga gccgtgtgac 180
 ccgggcgcaa tgccgggagc cgtgatcgtg caccaccaca cgaggtacaa gacgtacccc 240
 ggcgaggtca ccggcatcgc catcttctcg tgcttcatcg cctccgtcgc cggtgcac 300
 ttcggctatg acatcggcct cacatccggg ctgacgtcga cggagccgtt cctggtcaag 360
 ttcttccctt ccattctacg ggagatgaag aggcagggtg tcgtcaacca gt 412

<210> 24831
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-F7

 <400> 24831

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 gtgattagcg gttgctgggt caggagaagg cggcgtgtgt tttgatacta ctgcgctttg 180
 aggggccccg atttcgagcg ggtgttcaat tttggtgccg gatttttaag gaggatccaa 240
 tttaggaaga attttggttt tggggacaat ggttttggac tgcctgatat tcgattcata 300
 ggacttcgag tcggcagatc caagggaacg ccgaattttg cctgatttct tcgcgatttt 360
 tgggtccgac aaagaggttc ctagcctttt tttttcctcg cgagaagcaa ggggtctncc 420
 ttttcttc 428

<210> 24832
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-F8
 <400> 24832

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 aataaccaat gacaatccga acacatggtg ttgtttgcta gtagcctcat caggcgtctc 120
 attagaattg aatggacctt aacatattgt gtccaaaaat cacagggtgag aagcataggt 180
 agcgacagtt attgcagtct tgatgaatag gggaggaaag cggcggccga tagaccggca 240
 caaaactttg ttcgcgctaa tgaagaaacg gcaacgaaaa cgggggcagg agaggctggc 300
 ggcggtaacg gctccccac ggcttgcatt tctcgggcc aaagaattag aagcatttcc 360
 tgtggacgat ggatgggccg gactcgtcgt actcggcctt ggcgatccac atctgc 416

<210> 24833
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-G1
 <400> 24833

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 cgggctctgg ccttggttcc ctctcctag agcgctgtc tggtgactac ggcaagaaat 120

ccaagcttgg gttcactgtg tacccttccc cccaagtttc tacttcggta gttgagccat 180
acaacagtgt actgtccacc cactccctcc tcgagcacac tgatgtggct atactgctgg 240
acaatgagggc catctacgac atctgccgcc gatcccttga cattgagcgc ccaacctaca 300
ccaacctcaa caggcttgtg tcccaggtca tctcatccct tactgcctcc ctgaagtctg 360
atggtgctct gaacgtggat gttaacgagt tccagaccaa cctggtaccc taccc 415

<210> 24834

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G10

<400> 24834

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gcatatatat attcctgcc aagataaagg aatggagtcg tcacgcaggt tccagccggc 120
cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
gaagtacagt gacgcatttg gtggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
ccgcggtgaa ggcttcttgg cccgcaagtg caacaccttt cggcggcggt tcatttgcac 300
taagcaatgc ttaacaagat cggttgatcg gttgccatgc attgacaacc tattcttaat 360
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<210> 24835

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G11

<400> 24835

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gtcatccacc gcgacctcaa gcccgagaac ttcctcctcc tcaacaagga cgagaaagcg 180
ccgctcaagg ccactgactt cggcctgtcc gtcttcttca agcaagggga ggtgttcaag 240
gacatcgtcg gcagcgcgta ctacatcgcg ccggaggtgc tcaagaggaa ctatggcccc 300

gaggcggaca tctggagcat cggcgatcatc gtctacatcc tcctctgcgg agttccgccc 360
 ttctgggccc aatccgaaca cggcatcttc aactccatcc tgaggggaca ggtcgacttc 420

<210> 24836
 <211> 406
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-G12
 <400> 24836

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 gcggagcagg gcggcagggg gagggcgatg gaattctgcc cgggtgtgtgg gattctgctg 120
 cagatcgatc cgggcaccgg aagccaccgt ctgcgcctct tctgccccgt ctgccccctac 180
 gtctgcccc a tctgaacaa gatcgtgaag aaggcgaggt tggtaaaaa ggaggtggag 240
 cccatctcca gcacggcgga tgagatgaaa tcggccccta agaccgcaat tacatgccaa 300
 agatgcaacc atggagaagc atacttcaag cagatgcaga ttcgatcagc tgatgaaccg 360
 atgacaacaa tatacaggtg ttgcaaagaa gaatgccagc atgaat 406

<210> 24837
 <211> 408
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-G5
 <400> 24837

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 agtgggtccca agggccagaa gctggcggac gcggcattgc gccgcacg cgccaccaag 120
 gttgtcgaca ggggtgttgaa ggctgctgag gtgctgatca aggtggcaac ggtatcagag 180
 aagggtccacg gtccctggta caaagctctg atagtctgat gtgagcgtga atgtgaatgg 240
 tttggctttt gtgaatacag acagtgaag tgtaaattcc ttgttccact ggggtgggatg 300
 ggagatatgg tgttgtacag caatttatag ttgttgggtca gtaggcagtt caggatgtga 360
 agaattctgg tgagctgggc gaatatggat gctctttcac caagattt 408

<210> 24838

<211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-G6

 <400> 24838

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 tgtaccagta ccagagttaa tttgctttta ttcgaaacac cgttccggtt ggaattctgt 120
 taccctgtgt ctttgcttgc agttcctcta tttctttttt gcatcggatg gtggcggttc 180
 ctttttttta cattggctgt tgtggttctg gtcagactgt gttggtctag attcttgcct 240
 tgtgtgatcg gaaacatgct atcgcgctg gcagagctgt tgggtgaaaa aaaaaataa 300
 anatatagtg ttgaac 316

<210> 24839
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-G7

 <400> 24839

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 agcctttcgg attcattttc acatggtttg ctgctttgcc cctaattattg ttcttagcgc 120
 agtcattgac taaggctata gtccaggatt ttttaatcct taaggggcca tgtcctaatt 180
 gtggtactga aaacctttcc ttctttggga ctatactgtc agtctccagt ggcggtacaa 240
 caaacaagt gaaatgtgca aattgcagta ccgagctgga atatgactca aaatctcggg 300
 tgatcacact tccagaagca tcaaatgcat aaacataggt gactctacat ttacgccagt 360
 aactataaat ggatgctctt tgggtctatat tccaaatgtg ggagatatca caccagcttt 420
 g 421

<210> 24840
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-G8

<400> 24840

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gatccgccga cccgtcccag ccccgtcgc agccatgtcg ccgtcggagc cgacgcggga 120
ggagagcgtg tacatggcca agcttgcgga gcaggcggag cggtagcagg agatggtcga 180
gttcatggag cgcgtcgcgc gctacgccgn ggcgccggcg gcggggagga gctctcggtg 240
gaggagcgca acctgctgtc cgtcgcctac aagaacgtca tcggcgcccc cagggcctcg 300
tggcggatca 310

<210> 24841

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G9

<400> 24841

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cggctggacc gtggacgcgt ccaatttcga ggtcccctgc tcttccccga acccagcgcc 120
gccccgggtg gacagggcta ccgctaactg cgcgcgcgac gcctcaaggg caccgtcta 180
cggctctcgc gcgaccagtt tcatggcttg gacgaggctc tcgcggcagt cgtcgtgctc 240
cgacgaagcg gcgcggcgag tagtgccggc catcgaggag ccgcagagat tgctgaagaa 300
agtgttgccc ggcggcggcg gtgcttgga gagctgtggc ggcgcgacgg gagcagcaca 360
ggaaatgagt gccaccaaga accacgtcat gtcggagcga aagcgacgag ag 412

<210> 24842

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H1

<400> 24842

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catgggctgg ttaccaaata caggaaacac cagcatgaac atgatctggg ctgcaactca 120

aggccagggg actccaaatg cggctcctat gatgggaggt cagatgcaag gagtcccaat 180
ggcccccttg ggtggtgttg cagcaggaag tgcaaattct taccctgcct ggggaaacca 240
acaagctgga aacatgaacc aaaatggttg ctggagtgct cctgtgcagg gaaatccagg 300
tcaggcaaat aacaacatga actggaacgc accaaatggt aatcctaatt ggaataatca 360
acagagagag aatgggggca ggcactctgg acaccgcggt gctttt 406

<210> 24843
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-003-Q1-K1-H10

<400> 24843

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tctgtcagcc tcttggtccg caacattcca ttgagatgca ggctgagga actacgtgtc 120
cctttcgaac ggttcggccc tgttcgggat gtttacctgc caagagatta tcacactggg 180
gagccaagag gatttggttg cgtggagttc gttgatgctt atgacgcttc tgaggcacag 240
taccacatga atcgccagat gtttgctggg cgtgaaataa ctgttgact tgctgcggat 300
acacggaaaa agcctgagga catgcgtaga cgaactggac caagaggta ttctgggtcat 360
gaagggcgtc gtccgaatcg tcatggtgca ngacgggtccc gatctcgctc atac 414

<210> 24844
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F2

<400> 24844

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tattgagccc tgtcccagca tgcaaagagg atttctcacg gaagaagctt acttcgttcg 180
acaaacttat agaaagaaca ttagttcta taaggaatgt aaggcttcat tgtgacgctg 240
atctaaagcc aagtggaggt gttggaactt ctggaatggc accagatgca gctgagatac 300

agcttaaaag ccccaactgg ttgtttgggc aaaggaagca tacggagaca atttcaaccg 360
 caagagttgc cccggttgaa aacgtgaacg aggggaacag agacgagtca aatgtgtctc 420
 tttgtgggga actaatttg 439

<210> 24845
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D7
 <400> 24845

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 ggctgtctcg cccctcactc cagccagacc tggcgcgtct gctccgcttc gacccacgcg 180
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 gcgaccgctt cctcctccgc gaccagccg acgcgctcgc tctgccgggc ctctcgtcc 360
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<210> 24846
 <211> 324
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D8
 <400> 24846

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 catccatcag cgctgcccta cgcattgctc ttgataccat ccagtacatc gattctcccc 120
 ccaagatcaa aggcgggaga aggaggaaga aaggctaggg agtcggctat ggcattgctgt 180
 tcatgctgct gtgtggcaga tgacgacaac gttggcagga ggacgaagca tgacgatccc 240
 tatgttccta tcctgctca tgtctataat cctggacctc gccggttccc atgcccgaacc 300
 cctgtcatct ccaactggcag agct 324

<210> 24847
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-D9

 <400> 24847

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 tgggtccttc gacatcacca agttgggcgc cttcggcaat ggcaagactg atagcacgaa 180
 ggctgtgcaa gaggcgtggg catcaacgtg cggcggcacc gggaagcaga cgatcctcat 240
 tccaagggc gacttctcgc tcggaccact caacttcaca ggcccatgca agggcgacgt 300
 gaccattcaa gtgaatggca a 321

<210> 24848
 <211> 342
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E11

 <400> 24848

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 ctgcggagtg cggagatgtc gtcgcagctg atcgaggagc accggtcggg cgcggaggtg 120
 cacgtcgggc acgagctgtg cgagcgcaag tcgcgcgagt tcatggtgga gctgggcctt 180
 cccgacgggc tctaccgct gccagcctg gacgaggtgg gctacaaccg gtcgacgggg 240
 ttcgtgtggc tgcagcaggc cgccggcctg acccacacct tcgggttcat cggcaagcaa 300
 ggggtgtacg acaggagagt gacggctttc gtggagccgg tg 342

<210> 24849
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E12

 <400> 24849

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 gcgtggacgt agtgattaga aacgggttcgg gttagatggg tcgagaaaac ccagggtgcgg 180
 ccgtgcgggt gccgggtggt gcttgtcgca gctgggtgcgg ttcgctcagc tggtttgatg 240
 actgatcggc tctagcgagt ggacgactct tcctcgtttg gatctttact caaggaatta 300
 cgaacagcat gaagatcttg ggtgctcttc tacgcgtcgt cacatgctat ggctaacaaa 360
 aatactttac g 371

<210> 24850

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-E2

<400> 24850

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 gccagggccca cctgggtacg tcagcccaac ggtgccggcg ctcttgacaa cggcgggtgcg 240
 tgcgggatca agaacgtgaa cctgccaccc tacagcggca tgacggcgtg tggcaacgtc 300
 cccatttcaa aggcgggcaa gggttccggt tcatgctatt angtgagatg caaggaaaaa 360
 cctgagtgcg cgggcaatcc agtcacggtg tacatcactg acatgaacta 410

<210> 24851

<211> 103

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-E3

<400> 24851

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<210> 24852

<211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E4

 <400> 24852

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 ggctctggta gctctgacta tcgtgaaggc gagatatgcy cgagatatgt ttcgaatgac 180
 gcctgcgata ttcaaaatca tgagcggtac acatagctat tgtcgatgat gatatgatgc 240
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 tgacgttgac tacagca 317

<210> 24853
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E5

 <400> 24853

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 ctcggtgttg ctatgtagat ggcacatttg atcttttcca cgctggccat gttgagttcc 300
 tcaggagtgc cagacaactt ggtgactttc ttcttgctgg tatctatgac gacgagtcta 360
 tcagggatag aagaggctgc cgtcctataa tgcactctca tgagcgtact ctta 414

<210> 24854
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E6

 <400> 24854

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ctgctgcgtc tgggtggtggg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
gcgagctcgg gaatcagggg ttccacacat agcttcgctc atttgaattt gatgtactaa 240
tggagtctaa ggggtggcaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
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g 421

<210> 24855
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E7
<400> 24855

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tcttgcaagg tttctttgct agtggccgga gaagatgatg ggcggggttcc tctccagggt 180
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gttgacagct ttggagagat tcggagattt tacaatatca tggctaccgt ttactcaca 360
agcaaaggcg ttgatctttg catatatggg gtaccctacg acaaatggaa cta 413

<210> 24856
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E8
<400> 24856

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ctgggcacaa gtttgtcgga tgcccatgc catgtggtgt ccagataaca aggttggagc 120

atataaatgc cctttctagc aatgtggagt atctggcgtc aagggatgca acaatcatgg 180
gaagcaggaa tggccatgcc cctatcttcc tctggtacac cctcaacagg aagggtaca 240
gaggctttca gaaagaagtc caaaagtgtc tgagaaacgc acactaccta aaagatcgcc 300
tcaaggaagc aggaatcgga gcgatgctta acgagctcag tagcacagtc gtgtttgaaa 360
ggccaaagga tgaagaatth gtccgaaggt ggcagctggc ttgtgaaggg aatatagctc 420
acg 423

<210> 24857
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-F1

<400> 24857
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ggaagcagag ctgcctccta actatgatag ggttgggata gagaatttca tccgtgcaaa 180
atatgaggac aagagatggg taccgaggaa tggaacattg cgaccttcct ccggtgttcg 240
agatgagaag agccaagagt ctccagctag tgctaataagg agtggacatc atagatcttc 300
atttgagcaa aaccgtgctt caccagctct tccgagcaaa gttgcacatg tagcttcaag 360
gataccc 367

<210> 24858
<211> 339
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-003-Q1-K1-F10

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caacgccgga gcgcctcct acggcgcggc ggcgccttcc gggggctccg ccgatgcccc 180
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gtccggtgct ggtgccagcg cgtcggctgc tgatgctccg cggcggcngn ctnatccggt 300
ccctctagcg caccagcgcc atcgtcgtcg tctgagtc 339

<210> 24859
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F11

<400> 24859

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cgcaaagaga tacagcaacg gcaagaatctt tctccgcagc gcggggcgtgt gctgttggtc 180
gccgtccgcc tccgcccgagc ttggtggtgt gcgcggcaag gaagagacat cgacctcggc 240
gccagctttc gcgccggata gcaacaagaa aaggtggagg aagaagaagt tctggagaaa 300
gaagatgaaa gccagaagg agatcggcgg g 331

<210> 24860
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F12

<400> 24860

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ggagctggag gcggcgctgt cgtcggatcc gcaggcgccg gcccgcttca accactgcct 120
ggagcagtag ggcggtctcc cgcacctcct ccgcgacgcg ctggacaacc tcaaggcgaa 180
gatctacggc aaggccatgg agcagctgac cgccgcaatg ggcgccctcct agagctgcga 240
ggacgcgtgg aagggcgagg aggaggatgt ccctgtcacc gcgcacgaca gggagtacgg 300
taggatggcg cacattggct tcgga 325

<210> 24861
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D6

<400> 24861

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cagtgcggga gacgacatca tgagtgcgga aggtggaggg gaatcaacca ctgcatttgt 180
gtagattggc gggcaacctg tccgggctgc catcgtcgga cggcgaccaa atctaggcag 240
cgctgtgttt ggtggcctgc aacgaggcct ctactcgact gacgtggtgg acgcgacagc 300
catcgagcgc aaggtggaaa taatggtgat cttgaggatc ctgcggttgc gcagcacaca 360
tagttaatct aatctcgga cacgc 385

<210> 24862

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C1

<400> 24862

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ccagaagggtg gagggcgcgt cgtgagatgc tgcatagtca acaagatcgg ctatcgcttc 180
atgatgtgct acggtgatac gtggttccgc caatcgcta tatgagccac attcgttcat 240
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gaaagcattc attggctaca tcgagaacct gacttcgatg ctgctgtgaa gttaggatcg 360
atgacctaac acaattcttg tcaagttgtt taaataacca ttccacccaa aagcgggtgtt 420
ttc 423

<210> 24863

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C12

<400> 24863

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 gggtcacccg tgtctgccgc cggcggatgc cccctcccc cgggtggctag gagctccatt 180
 cgtgctgccg tcgtgtgctg ctgggcgtct ccccaatgg tgttacagca tgggcattag 240
 agcactcaat gactgacggg gagctactct ggcgcgcatc gttcaccccg gcagtaccta 300
 ttctgacgcg tatggtaggt ggccatcatg ttctcacgc atgggtcaagt gcaactcgtg 360
 aggtgcctca ctactgcac tacgtccaca cgcta 395

<210> 24864
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-C2
 <400> 24864

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 cggcacgatg ccgcacgtca tgtgaggag atcccatcga cgatgacgtc cccggccccg 180
 gtccggcgat ccttcaattc cgatgaccaa acggagacta gctagatagg ctctctgtct 240
 ctggattttg ccacgttcta gttctagctg atcatttgat ctggctgtct gagatgtacg 300
 cttgggtgta tgagtgaacc cggaatatgg aagcacgac acttgctata tgtattatac 360
 aggtatacta gccggttgcg acggtttaca ataatatcca tgtaaactat gcat 414

<210> 24865
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-C3
 <400> 24865

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 cgtcgatgag cacctgatgt gcgagatcga gggccaccac ctgacctccg ctgccatagt 120
 cggccacgac ggcgcggttt gggcccagag caccgcattc ccacagttca agacagagga 180

gatgaccaac atcatgaagg acttcgacga gcccggttc cttgccccga ccggcctctt 240
cctcgcccc accaagtaca t 261

<210> 24866
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C4

<400> 24866

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ggagaaaggg cacctgcctg tgatgtcagc tgaaggttca ggaggtgttt atttcatgcg 180
agatgcaaca ggccagaaga atgttgctgt gtttaagcct attgatgagg aacccatggc 240
caaaaacaac ccaaggggcg ttcctgtgtc cacagacggc gaggggatga agaggggaac 300
aattgtaagg gaaggtgcat tcaggaggt tgcagcttat attctcgacc atccagttag 360
tgatagtaaa tatggtcaca gt 382

<210> 24867
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C5

<400> 24867

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aatgttgga ggggtggccg cgcatatgc atcatgaagc atcctatccc ggacaccaag 120
gactcgact ccgtgcagat catcctccc aagatgcagc taaagcgcaa atccgacatg 180
tacgtgttct gctgtacta ctcccacaac gtcgcgcca aaggcaagtt catcgtcttc 240
gtctccaccg aggccgagac cgacaagcct gagatcgagc tcaagcccg gatcgaccag 300
ctagtctcct ggagtggaga ccttgttcga catctacgac agatatgaac ccgtcaacaa 360
ccatgactac gactgctgtt tactcacata ttgcta 396

<210> 24868
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-C6

<400> 24868

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 tcatgcgctc ctgttggaga gagtcgagca tctgactatg gattagttaa gttcgatagt 180
 tcaggccgtg taattcagtt ctctgagaaa ccaaaggggtg ctgccttgga agaaatgaaa 240
 gtggatacca gctttctcaa tttcgccatt gattccccag ctgaatatcc ctatattgct 300
 tcaatgggag tttacgtttt taagagagat gttttgtag accttctaaa gtcacggtat 360
 gctgaactgc atgactntgg ttctgaaatt ctgccaagg ctttgcata gcacaatgta 420
 cagggcataat gttt 434

<210> 24869
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C7

<400> 24869

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 ttgctattgc tgcgatggga ccgatccaag gacttccaga ctacaactgg ttcagacgcc 180
 ggacctacat gctccgttac taagatcaat ctgccggtgt accatgttta cgggtgtgcaa 240
 ggacaaagat aaaatttgcc tctttcggcg tctgtatatc aaggcctcag cactgcacat 300
 cgcttgctgc gacagagggt tttttcttct tcagaatttg ttttatttct tttcttgctc 360
 agaatccaca aatctgcaa taatgatagg caggttcgac tgacgtggct tacttggtg 420
 gtcagcctat ggtatTTTT 439

<210> 24870

<211> 362
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-C8

 <400> 24870

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 acgacggtgg aggcgaagaa gaacgccgag gaggccggga aggagaagct ggcgcagcaa 120
 agctgatcga ctgtccgtgc atgcgtgcca attaataataa ttgggctgat gatgcctgat 180
 gttcaatgtg tgatactggg aatcaagcag gagaccacac ttgaattctc tacagtttgg 240
 cataggtcgg gagagacact ctgcaccggc cacaccatgt aacaaactaa ctttcttcgt 300
 tgtctcccat tattttcctc cacggagttc ttctgatgaa acaacatgtt ctaattgggc 360
 tt 362

<210> 24871
 <211> 279
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-C9

 <400> 24871

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 ggttcaggag gctctcaaga ggcaatgcag ctaagagcca aacctttccg gggaggactc 120
 ctactcgtaa taatggctctg tagtatccaa atcaaactag cactgaagct ggactggagg 180
 tcatactcgc tcagtctgtg taacagtgtc agattgatta tcatgctttt gtacgacatc 240
 aggaatcata ccacgagatc atgcgatgtt aacaacaat 279

<210> 24872
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-D1

 <400> 24872

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ggcaaatttc tcacacatgc ttggttttga cgaccaaaaa atgctggagc tgatgcggct 120
 ctatgtaaca attcacactg atcatgaagg cggaatgtc agtgctcata ctggcatct 180
 ggttgggagt gctctgtcag atccttatct ttctttcgca gcggtcttaa atgggctagc 240
 tgggccactg catggccttg caaatcagga agtgctttta tggatcaaat ctgtaattga 300
 ggaaactggg agtgggtgta ccacagatca actcaaagac tatgtctgga agacactaaa 360
 gagtggaaag gttgttcctg ggtttgggtca tggagtctcg cgta 404

<210> 24873
 <211> 293
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D11

<400> 24873

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 gccgtagact tgtgcggttg tgttcttata acagatgaga gtgtgggttg tcttgccaac 180
 ggatgtccgc acctgcgctc gctgggcctc tacttctgcc agaacatcac ggaccgcgcc 240
 atgtactccc tcgcaaacag ccgcgtgaag agcaagcggt ggaagtggga tgc 293

<210> 24874
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D2

<400> 24874

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 cggggcgctg gtacgcgtcg tgcgaggacc tgccgaagct gggcgcgctg ctgcactgga 180
 cgtacgacgc gtccaagagc tccctgtcgg tggcgttcgt ggcggcgccc gcggcgccgg 240
 gcggatgggt ggcgtggggc ctgaaccgca cgggcgaggg catggccggc gcgcaggcgc 300
 tggtagcgct ggcggggggc ggggcgcggc cgcccgccgt gcggacgtac aacatcacgg 360

ggtacgtccc gctgggcaag gcctacacgc cgctggact

399

<210> 24875

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D3

<400> 24875

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tgctaccaa acatttggtt gccactgtgc tttcctgaat acagtcttac tccaaaaatg 120

tggaataat atgcatgggtg cagctattta cttatgatct gatatgcaat cagatgtact 180

tgacgattcc agtttattgt cattctgacc aactctagtg tttctgtcgc aacatttcaa 240

cttatttgca agtgggttatt ttgtttttac tatcttatct tgagctcaat tcttttttga 300

atgaaattct tgagttcatt tcttgtcaca tgggctttat acagctctgc cttatgtttt 360

gcaccttcgc ttatcaccat attctattca acaagcaagc ccacaatgca atactttgtg 420

t 421

<210> 24876

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D4

<400> 24876

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ggagagagag aggagaggag aggagaggag gggcacggag atggagagag cggccctcgt 120

gaggagctac cacacctcga cggctgacct gctcacgtgg cctaaccctg atgcgcccgg 180

tcgctgacag cagccggcc taaccagccg acggaagaat tcaggaatgt cgtgtctggg 240

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<210> 24877

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D5

<400> 24877

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gtgtgaatct gatcagcttt cataccatag tcagtgtctga tgtggatatg caatatttgc 180
ggattttcttt atgtgttcat ggatttcaaa ttgaggacgg gcgcacgctt gctgactaca 240
acatccaaga aggagagcac cctacaactt gggctgcggc tctagagaag cctgcctaac 300
ttacgcaaga ctgctgacct ggtagacttt caatactgga agcggagtcc aatgacatga 360
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<210> 24878

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B9

<400> 24878

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ggagcaagct tgcagtgaag catataagac ttcaaacaca cgataccagg catgcatgcc 120
atacagtaca tgggaatgaa aaccacacaa cgctcgacta ctgataattg catgacacag 180
tcacttacga ttgctataat caatactgac agcatgacct acatggttcc aatgcaggca 240
ttcgcttat taatcatcca ctacacactc accctaccta atagaaacaa cctggacagc 300
ctaatcaa 308

<210> 24879

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A12

<400> 24879

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aaccaccaaa accagccgct ggagcagttg ataataaatc tgatgccgat tcctcggcta 120

gcacggctgt gaaagaaaat agtgttgcgc ctgcagaatc caacaagggg actggaagca 180
atgataaaga tgaagtattc tcggacagtg acgacgggga ggatggatca tctaaggaaa 240
gaaaggagag gactgctggc gcggtgggtca aggcagtgtg aatgctgcta aaccatctca 300
aacaagcaac gtggagaagg aggcacggc cgctgctagc agacttgata aagtatagc 359

<210> 24880

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A2

<400> 24880

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ggtctgcccc acccacgaac aatccatggc tccatctccg cctcggcgtg ctgcgctcct 180
cctcaccact gtgcttctgc tggcggcggc cgggtccacc cccggcgcca cggctgctgg 240
catcttccag gtgcgccgca agttaccgc cggggtggga gggggtgctg gcgccaacat 300
cagcgccctt cgcgccacg acggcacccg tcacggccgc cttctcgag ccgccgacct 360
ccctcttggc ggccctcgcc ttccactga cactggcctc tattaca 407

<210> 24881

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A3

<400> 24881

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cctttagggtg gtcaccgcgc tcgacacctc caatacgcaa tggtagcact tcaccgcat 120
cgtggctgcc agcatcggtt tcttcaccga cgctacgac ctcttctgca tctccctcgt 180
gactaatctc ctctgccgca tctactacac cgtggagggg tccgccacgc ccggcaccct 240
tccgccgtac gtgtc 255

<210> 24882

<211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A5

 <400> 24882

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 gccacccggc cccaacatca ccaccaacta caactacaag cggctcaccg ttagggccac 180
 ctgtaaccgt cagcccaaca gcgactacac tcctgacaac tgcggtacgt gcgggatcaa 240
 gaacgtgaac ctgtcacctt acagcaacat gacggcatgc ggcaacactc tcattcttcaa 300
 ggactgcaag ggctgcgtct catgctacga agtgagacgc aaagaaaaac ctgagtactc 360
 tcacaatata ggcactgtgt acatcactga catgaactac gaaccta 407

<210> 24883
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A6

 <400> 24883

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 agaaccgcgc taacttgtcc agtcagttag cccttttgaa agtggtgaag cagacaaaag 180
 gccacgtgtc agagtgaccg gaagaacgag aaaggggtgt gtttcagtgg tgtgtagtag 240
 gtaggtaatt ttgtgtgtat gctccgggt aaaagccccg cggtagccag tttgtagatg 300
 gtgcttctcc tgggtgctagt ttcccgctcg aagctggatt tttttggggg gtgtgtgccc 360
 tgctctgtgt gctgaccgc ctgggggtaa gttgtagcag agcaagagaa ag 412

<210> 24884
 <211> 403
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A7

<400> 24884

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cgtggtcgcc ggcattgggggt tcttcaccga cgcctacgac ctcttctgca tctccctcgt 180
gactaagctc ctccggccgca tctactacac cgtggagggg tccgcgacgc ccggcaccct 240
cccgccgcac gtgtccgcgt ccgtcaacgg cgtggccttc gtgggcacgc tgtcagggca 300
gctcttcttc ggctggctgg gcgacaagct cgggcgcaag aaggtctatg gcatgacgct 360
catgctcatg gtccctctgct ccgtcgcgtc ggggctctcg ttc 403

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<210> 24885
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-A8

<400> 24885

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gatgccaagg gaaaacggca tcagctgaca cattgctata ttctgttta tttcgtccga 120
ataaagtata taacttaaga aaggggctct tgccccacag cagctcaagc aaaaatgtac 180
aaagaaaagc agctcgagta gagagaatct gccactctct cgacagattg agctgctgcc 240
atggcgctaa ttcacgacac atttgatgtc tcggcaagac ggggaggagc tcagtaagtg 300
agatgataaa aaaatagaat cagggttgag ggtaagtata cacgggtaga aaaattgcct 360
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ttctc 425

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<210> 24886
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B1

<400> 24886

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ttccaccccg tctgcccgcg cgcgctgtct cgtggcgaca actggggcgac cgccgccgcc 120
 gtcgctgccg ccgctacgcc aagaagctag gtcttcatcg gtcccttcgt cgagattttc 180
 tccggcgaca agcaccacgc aggggactac aagattgatt ttgatggatt atgacaagtc 240
 tagaagaagt aactccaaaa agaggacaca ttccaattct gatgacggaa agaggaaacg 300
 gttgagctct aggcattgat acacatctat gtcctctgag ccaattgaaa ccatctacag 360
 gatattgtgc ccggcaaaaa agataggcag tgtcttggga agaggtggtg aca 413

<210> 24887
 <211> 250
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-B10

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 tactgatgtc ctgcctgtgc aacgcataca gcgacgagca atacctcatc ttcttgagac 120
 tatggtgtga gcgctactgc catgtccatg ttcactatga tctagaggaa gcgcacggag 180
 cctgccaaact tcaatgcttt ataccctctg cacaacacaa gtgcgacact aggaatgctc 240
 cagaagaaag 250

<210> 24888
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-B11

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 aacagggtcta tgcaactggtg gttcctggct tttggatgga tgggtggtcag ccagagact 120
 acattactgg attgcgtctg tatctagact cgcttacgaa gaaatcggct gccaggctag 180
 ctgctggagc acatgttgct ggcaacgtgc tgggtgcatga gagcgccaag attggagaag 240
 gttgcctgat cggtcctgat gtctcaattg gacctcgatg tgctcgtgcaa gatggcatga 300
 ggctatcccg ctgcactgtc atgcgtcgag tgcgtatcaa gaagcatgcc tgcactctga 360

acagcattat cgagggggcac tcaactgttg gacaatgggc acggatagag aatatg 416

<210> 24889

<211> 151

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B12

<400> 24889

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gtttatgagt ggcgggctgt tctcatcaac gttatgtata ctactggca aagtacatgg 120

cataagtgcc gtcaaccgcg tgattaccgg c 151

<210> 24890

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-B2

<400> 24890

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cgccttcgcc gtgggtcacgt tcgcggtgct caccgagggc ctgttctggc gcaagctcgc 120

cgacggctcc tacttcagct ggaccggcga cgacgcgctg gagctgctgg aggtcttcgc 180

catcgccgtc acgatcgtcg tcgtggccgt ccccgagggc ctgccactgg ccgtgacgct 240

cagcctggcg ttgcgaatga agaagatgat gaacgacaag gcgctcgtgc ggcacctcgc 300

ggcctgcgag accatgggct ccgncaccac catctgcagc gacaagaccg gcacgctgac 360

caccaaccac atgaccgtcg tg 382

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<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B4

<400> 24891

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ctagatgagt cgtggaataa gcttttactt cctcgctgct gtgggcgaag tgactggaat 120
tcggacatct ggaactaaca aaaccctacg tggatgcgta tgacatgtct tgctcgacaa 180
tgacaacca aaca 194

<210> 24892
<211> 414
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-B5
<400> 24892

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ccataggtgg agctaccctc tcagaaggta aatcaaaagt acaagagcgc cagcgggtcca 180
agctatcaga agaggctgtg gaggaagctg aagacgcgct ctctgcaaag cgcctctcgg 240
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aggaggttct gcaggctgct gtctcccgcg ttagtgact ggaagaggag cttgcagcta 360
caaagaagac cttgcaggag actcttgagc gtcagttgga gatcgttgca taca 414

<210> 24893
<211> 398
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-B6
<400> 24893

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cagcttgccc atccatcaaa gtgaccggt ttcaacaatg aatgattctt ttagcaacta 120
tttggcctcc gctcctcccg cggaacaaaa gaacttgctt gggaacaggc tctatcctct 180
tgttgagagg catcagcccg aactcgcgag caaaatcact gggatgctct tggagctcga 240
caactctgaa gtggtcacgt tgctttgctc gtcggagatg ttgtcggta aggtcgacga 300
gtgtgtccag ctgttgagg caaccaagcc taaggctgaa gatcatgagg cgctgcaccc 360

aggattcatg ctggagcctc ggcctcctac tgtaaattg 398

<210> 24894
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B7

<400> 24894

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cagcagatta tgagggtggc accttcacgg tatcaaactt gggaggtccc ttcggaatca 120
aacaattctg tgccatcata aatcctcctc agtcagcaat tttggctatt ggttctgccg 180
agaagagggg gatacctggg tccgccgatg gcctgtatga gtttggttcg ttcattgtcag 240
ctacactgag ctgtgaccac aggggttatag atgggtgcaat cgggtgcggaa tttctgaaag 300
cattcaaggg ctacatcgag aacccgactt cgatgctgct gtgaagttag gatcgatgac 360
ctaacacaat tcttgtcaag ttgtttaaat aaccaggcca cccaaa 406

<210> 24895
<211> 387
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-003-Q1-K1-B8

<400> 24895

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agggggggagg ggaaaacacg tacattcacc cggcggcaat aatggcctcg gttccggctc 120
cggcgacgac gaccgccgcc gtcacacctat gcctatgcgt cgtcctctcc tgtgccgcgg 180
ctgacgaccc gaacctcccc gactacgtca tccagggccg cgtgtactgc gacacctgcc 240
gngccggggt cgtgaccaac gtcaccgagt acatcgcggg cgccaagggtg agggctgagt 300
gcaagcactt cggcaccggc aagctcgagc gcgccatcga cggggtcacc gacgcgaccg 360
gcacctacac gatcgagctc aaggaca 387

<210> 24896
<211> 360

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A11

<400> 24896

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 ggcataacaa aacaaaccct gaagataata gatacttcat taaaaggaat cactggatga 120
 aaaagttcgc atatggagca ttcaaaaccg tgaaattggt gattggaaag atttgcata 180
 aatggtcact gctgcttgct ataccccaga tggacagagt gcactaattg gttcccataa 240
 aggcagctgc catatttatg atacatctga taataagctt ctccaaaaga acaaattga 300
 cctgcaaatt aagaaaaaga agtccagtca gaagaaaata actggatttc aggtccttga 360

<210> 24897
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G3

<400> 24897

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 ctccatcttc gactcggcgt gctgcgctcc tcctcaccac tgtgcttctg ctggcggcag 180
 acgggtccac ccccggcgcc acggctgctg gcatcttaca ggtgcgccgc aagttcaccg 240
 ccggtgtggg acgaggtgc 259

<210> 24898
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G4

<400> 24898

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 ccggcgggaa ctcaccagac caggaatcgt gctggcaacc ggcgcaagtc tggagatagg 180

gctgataaag ctaattacta ctacaataat gatggagaga agagcaatgt tccttcatta 240
aagaaccttc ctccaattgt tcatcatgaa acattcttca gcaatgttca gaatgactac 300
aatcaaacag gattagtgcc tttggaggga tgttctgccca gtgaggcttc acagcttctc 360
agtgatcgct ggactgctgc aatcaacatg 390

<210> 24899
<211> 85
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G5

<400> 24899

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atgggaaagt agtggcattc tcaaa 85

<210> 24900
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G6

<400> 24900

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atcatgtttt caccaatctg gagattccaa aaggaagggtg aaccaaacac actatcgaga 180
accaaggttt tataccaagg tatttaaaga gggccattca tttgatcaag atggaggttc 240
gtttgaactt tctctagtga cctgtaaatt cattggggct tatgtcaaaa acaagaagaa 300
tcaaaaccag atatgctggt tatgggaaaa ggtaaaatca acagaagaca gagattttca 360
aagattcctg gacaacgtgc aatacaaaac aagtgggata ttacgttatg agcgtgtctt 420
tggtga 426

<210> 24901
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-002-Q1-K1-G7

<400> 24901

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ccgacttcgg cctctccaag tccggcccga cgacgggtgaa ccagacacac gtgagcacca 120
tggtcaaggg cagcttcggg tacctcgacc cggagtactt ccggcggcag cagctcacgg 180
acaagtccga cgtgtactcc ttcggcgctc ttctcttcga ggtgctcctg gcgcggccag 240
ctctcgaccc ggcgctgcc a cgggagcagg tcagcctcgc cgactacgcg ctgagctgcc 300
agcggaacgg caccctgctg gacgtcctcg acccaacgat caaggaccag atcgcgccgg 360
agtgtttcaa gaaggtcgcg gacacggncg agaagtgcct cgccgagcag agca 414

<210> 24902
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G8

<400> 24902

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aaaaaataaa aaataaaaaa taaaaaaaaa taaaaaaaaa attataaaaa aaaaaaaaaa 120
aaaaaaaaac tggccacctt tttaa 145

<210> 24903
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H1

<400> 24903

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cggcagtaaa agaccgaagg attcagctca tggtcaccaa gtttgtagagg gagttgagag 120
aggagcccggt cttgatgatt agggtagagct ggaacgtggt cctcatctcg gtctcatctg 180
ccgctgtagg cctgcaccgt ttcttggtgt tcttcttgaa ggaggatggt gccaggttct 240

tggatgacaa ggtcaagaaa atgaagattt ggctgatgga gttctcgaag cggacggcta 300
atctggagat tcaaggaatt ctgtgaatgt ggtggctttt ggttgaagga tttaatagct 360
gcttcgcact ctggtttttg gagttacttt ctgcatcgag tg 402

<210> 24904
<211> 300
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H10

<400> 24904

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ttggaacgat acgtgtgagt tctctagtgt tatttccagt ggcctaagct agcaacagtg 120
tatagttggg ttggcactgc aaacttctac cgttcgagtt gggattaga gctagttatt 180
ggttcatgtt gaacttatat tattttctat cttgctgcag ttatgtttgc tatgtgtacc 240
aaacatgtat tggaattttt gtaagctata atatggccag cacagcagta gcctcacatg 300

<210> 24905
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H11

<400> 24905

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agacagagcg ctctgtggtg aagaaacagg acgggctggt gaagctgcag gggccaagc 120
aagggaggaa ggggcagctc gcgatcgacg ccgagatctt cgaggtgaca ccggcctttc 180
acgtcgtcga ggtgaagaag tcggcaggcg acacgctgga gtatgagatg ttctgcagca 240
agggcctaag accttcactc agcgacatct gctggagcag ccgatctgag gagaacatgg 300
ctccttcagt gggttcagcca tcacaattgg agccatcctc ttagaccgtc tccgacagtt 360
tactaccccc tcttagtcga ttgttattta agtgcagtct cttcggagat gcaattaca 419

<210> 24906
<211> 383
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-H12

<400> 24906

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ggcgagggtg gacccggcgc tgcctggcct cgccgacgtg ctgcgcggcg cgggcgccgg 180

cgagtgtctg cacaagcacg gcacgttcct ggcgcacctg ctggacgtgc accggatcct 240

ccgnctgtgg ggcgcgcccg acgccgtggc gcgctggcgc ctctaccact ccgcctactc 300

caactcctac gtcaacctgg ccatcttcca gcctgacacc gggcgcgccc acgtcgctgc 360

cgtggtcggc ggacccgcgg agc 383

<210> 24907

<211> 287

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H2

<400> 24907

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ggttgtggcg ttggtgttct tggtagcgcg cgcattggtgc ggtcctccca aagtcccccc 120

aggcaagaac atcacggcca cctatggcaa ggactggctg gacgctaaag cgacatggta 180

tggcaagccg acaggtgccg gtcccgacga taacggtggc ggctgcgggt acaaggacgt 240

gaacaagccc ccttcaata gcatgggcgc atgcggcaac atcccca 287

<210> 24908

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H3

<400> 24908

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gaacgagaat gtcgcgcgcc acagctgcgg tcctcttcta catcctcgcc gtcgctgacc 120

tcagcgcggc cgacgcaccg gcagagtcac cgaaggcagg cagtcttgcc aaggcaccgg 180
 ccgagtcacc gagagcaggc agtcctgcag ctctgcca ggcacccgag tctgctgcca 240
 cgagaactgc cccggctaag gcacctcagg ccgcctccac ccccgccgct gccgctgccc 300
 catcgtcggc gtcgtctagg aagtctggtc cagctgccgc gccgaccacc gccgcctgta 360
 caccgtcttc ttccacggac gaggagtga gc 392

<210> 24909
 <211> 400
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-H4

<400> 24909
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 gcaaaaccct cgcgggcgtc tctctcgaga tcggcgggca gcagcgacgc gcgcgcacaa 120
 cacagcaggt gaaggcaagt gagtcagtgg ttggggctct cgtcctggct atgagaggtt 180
 taagtcggtta tctgccgttc tgcggcggcg ggtgctgctg cggtgacggc gccggcaggg 240
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 actactccat cgcogtggcg caggcgaacg aggcgctcga ggaccaggcg caggtggctc 360
 cggctccggc cgncaagctc gtcggcgtct tcgacgggca 400

<210> 24910
 <211> 237
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H5

<400> 24910
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 catagacgat cccgtcttga tgaattactg tgaactgtaa catgttgctt atatcagttt 180
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<210> 24911
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H6

<400> 24911

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 aatggaggct gagcaacaaa actcttaatt tgatgcggaa tgggaagatg cccacagtga 120
 ccatcgagca ggcacaaagg aactttatca aagcagtaaa atcaggtctg ctcaaaattc 180
 tttcaaaaat gggatatctca ctgctctcaa gctattgtgg agctcagatc tttgaaattt 240
 atggctcttg tcaagaagtt gttgatcttg ccttctgtgg aagtgtatcg aaaattggag 300
 gtctcacact tgatgagctg ggtagggaga ccttatcatt ctgggtgaag gcgttctctg 360
 aagatactgc aaagaggcta gaaaactttg gatttatcca atccagacct ggaggtgaat 420
 accatgc 427

<210> 24912
 <211> 190
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H7

<400> 24912

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 cgagcaacgg gcagagtaac cgaaggcagg cagtcctgcc aaggcaccgg cgagtcaccg 180
 aaggcaggca 190

<210> 24913
 <211> 141
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H8

<400> 24913

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gcaaaaccct cgcgggcgtc tctctcgaga tcggcgggca gcagcgacgc gcgcgcacaa 120
cacagcaggt gaaggcaagt g 141

<210> 24914
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-H9
<400> 24914

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cagcatggcg cccagcagca gcatagcagt actgctgctc ctgctcgctc ccgctcgtcct 120
ctccaacgtc cctcctcgg gcgccttggc ctctcgtcgc tcgtctctgc tgcaccagtc 180
gtctccgtct gagagtgaga ctgagaccga cagtagcagc ggagaatctt cgtcgtcgtc 240
gtcgtcggag gaggaggagg ccggcgagaa ggagaaggag aaggagcagg agatggagaa 300
ggcggtcgcg gcggagaagg ctgcccagca ggagctgctc aagtacgcca aggagaaggg 360
catcgtgtca ccgaccaacg gcacggtgtg gtacaagggc atcgcccggg agttcgt 417

<210> 24915
<211> 395
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-G2
<400> 24915

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actagctact taactacctg caagagaacg aaggcgaggg tgagggtggc aagggtgtca 180
aagagaagcg ggaggtagcg tggcgtcgcc atggaagcat cggaggcttg ggattaggtc 240
ggaactcagt agcgaagagg acccataaca ggtgtgtgag atataggaga atgtgattgt 300
gtttggcctt ttgttttgtg aaatttgtac gcgatgaagg caacatgaaa ctaaaattag 360
gggatgaatt ttgggagaga atacagacca catag 395

<210> 24916
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A1

 <400> 24916

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 ctcatcatgt tcttcacact acacctacta cctctttctgc atcttctctca tgactaacct 120
 cctttgccac atctactaca c 141

<210> 24917
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A10

 <400> 24917

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 agttcgcttt gcttttgagg ttgattcgac cattttgctg tagcgtgaat tgcattgcatt 180
 gacatgcaac gctccaatgg cctttggaat gtggaatttt tttccccatt ttctgtattt 240
 ttcctataaa aaatgaactg ggtcttaaaa aaaaaaaaaa aaggcggccc gtctaaaaga 300
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<210> 24918
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-H9

 <400> 24918

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 ctcgcgatgc tgagcgtcgt cgccgtcgcc gtcggagcgt ggagggcggt taccggtggc 180

ggcggcgggcg gcgggcgggcg cccggggcgtc ggggagttcg tgtgctgcmc ctggcttctg 240
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tggagcgtca ggatcaaggc tgccctgctc gtggccgctg tcgtgcacct gtccacgcgc 360
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<210> 24919

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H8

<400> 24919

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tggcggcctt gttcccgac ccgtacctcc acgcgggcgc cgacgaggtg aacacggcgt 180
gctgggagga cgaccccgctg gtgcggggct tctggcgga cggcggtcc cacgaccgcc 240
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cgggtgtactg ggaggacgtc ctctggggc ccaaggtgtc ggtcgggcag acggtgctgc 360
cccacgacac caccgtgctg cagacgtgga acaacggcgc cgagaacacc aagcgcacgc 420
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<210> 24920

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G4

<400> 24920

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cagacacaca cacacacaca cacacgacgt cgtacgcggc agctagcaga gcacgcacga 120
tcgccgcagc gtacgtacta gcacagagga cgacgaccga cgccatggcg gacttcttcg 180
cgcgcgccgg cgcgcgccgg gtggcgccgc tggatgatgg ggcggccgtg ctggcgccgt 240
cgtgggcccgg cgtggcccgc gcggacttcg cccaggaccg cgccatgtgc gcggaccggc 300

tgatggggct ggcgacgtgc ctgacgttcg tgcaggacaa ggcgacggcg cgcgcgccga 360
 cgcccactg ctgcacggtg ctgaagcatg tggaggccgc cagcaagctg tgcattgtgc 420
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<210> 24921

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G5

<400> 24921

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 tgctggagac agtcttttggg gatcagaatg ttgcaaatac gtggaaggca cgggtgcgcgg 120
 aatattttcc gtactcgacg tactttgaag gcatcaagag cgctatttca acctatgcc 180
 ttgaccatag tctcgagagc ccaccagaaa atggaattgc ttcaaaccct catctgaaat 240
 caaaagatgg agaacaaggg agtttgaatg ggactctgca tattgtagat gatttgagca 300
 gcctaagcat tcggtaatgc acgaacaagt tgctgaatgg tcacaactgg aacacaacat 360
 tttagaactg gagccagtac ccaattaacc aaagcgtaca cgaacaaggt gaacatagtg 420
 ctctgggtgca agtagttgtc ggcacatcac atatgaagag tat 463

<210> 24922

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G6

<400> 24922

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 tgtgtcttgc atggtgagaa ggcaaagtca aaggacaacg atgcaaaagc gtccggggccc 120
 ggtgggtcct tcgacatcac caagttgggc gcatccggca atggcaagac ggatagcacg 180
 aaggctgtgc aggaggcatg ggcacagcg tgccggcggt cggggaagca gacgatcctt 240
 atccacaatg gcgacttact cgtcggacca ctcaatttca catgcccata caagggaac 300
 gtgaccatcc aggtgaatgg caatctgctt gcgactactg acctaagcta gtacaaggat 360

catggtaatt ggatcgagat tctactcgtg gacaaccttg tcattaccgg caagggaaag 420

c 421

<210> 24923

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G7

<400> 24923

gggcacgcct caagaacggc atcctcgatc tggggttaac gatccaggcc cagaagcagt 60

cggagctccc tgagcaggtc ctctgctgcg tcaggttgaa caagatcgat ttcactgacc 120

aagaagttcc aacaatagtc accgttgatg acacctgacg catttgatca aaatgggcat 180

cagacgtgcg agctattatt aactgctgca aggctagatc catgggattc agaggcgaca 240

caagaactga tgactccacg ccttggtttc tgcctaatat gttcgccgat ctgcctactt 300

ttaagcacgg gctttttctt gtcttccttg taactataat ataataatgt atattatata 360

caagacgata caaccctgcg ggtgttggtc atgttcctaa 400

<210> 24924

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G8

<400> 24924

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gaggaagtac ggcccggagg cgcacatctg gagcgctcggc gtcattgctct acatcttctt 120

cgcgggctg cctaccttct gggcagagaa cgagaacggc atcttcaccg ccatcctgcg 180

agggcagctt gacctctaca gcgagccatg gccacacatc tcgcccggag ccaaggatct 240

cgtcaagaag atgctcaaca tcaaccccaa ggagcggctc acggcggttc aggtcctcaa 300

tcacccatgg atcaaagaag acggagactc gcctgacacg ccccttgaca acgttggttct 360

cgacaggctc aagcagttca gggccatgaa ccagttcaag aaagcagcat tgaggatcat 420

agctgggtgc ctatccgaag aggagatcac agggctgaat gagatgttca agaacatt 478

<210> 24925
 <211> 419
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G9

<400> 24925

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 gtttacacgg ggaagcggct gcacgcggcc ttgtttcttcg tgatgggatt ctggctgctg 120
 gacttttcca acaacacggt gcagggcccc gcacgcgcgc tgatggcgga cctcgcaggc 180
 agccacgggc ccagcacggc gaacgccatc ttcgtgtcgt ggatggcgat cgggaacatc 240
 ctgggctact cgtcgggggtc caccgacaag tggcacacct ggttcccgtt cctgcagacg 300
 agggcatgct gcgaggcgtg cgccaacctc aaggccgcct tcttggtgtc ggtggtgttc 360
 ctgggcctgt ccacgggtgtt gaccatgata ttcgcccgcg aggtgccgct ggacccggc 419

<210> 24926
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H1

<400> 24926

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 ctgcgagaac ttagagttag tgctgaaggc agtgacctaa gacattttat acatggtgcc 120
 gatttttact gcattttttt ctacattctt tttttgtgat ttgattatct aaacatgtga 180
 attttcaggt cttcatattc ttctatctcc tagtttttta atattttttc tttgcttata 240
 attgactgat tataaatgtt tttattctct tctttgatta tttcctaatt atattctctc 300
 gatctgttca actttttaac tacgggcttt ttctttgtct tccctgtaac tataatataa 360
 taatgtatat tatatacaag acgattcaac ccttgccgtg ttggtcatgt tcct 414

<210> 24927
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H10

<400> 24927

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gacttttgac tagtgcataa ggatgctcgt cgtgcccgat aggggcacaa taagaaagcg 120
tgaaaaaaaa cacaccact ccttgtgttt ctggttcgac aggcttgctg aaacattgaa 180
gaaccccgat gatcggtttg tagtctgtcg tcatcgttct gcccgatca agagccccgg 240
ttgctcatgg tggcggctgt cgtaatgtag cggttgttga cctatcttct catgaattga 300
aaggatcctg actatgtac 319

<210> 24928

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-H11

<400> 24928

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catcagcacc taaaaccatg gctgcaacc tggctcagtg cgccaccgcc gccgcggcga 120
ccgtcgcgcc ccgcaccctt cgccctgctg cgtccgcgtc cgtctccttc tccgcgagga 180
agccggcggg cggcagcctg cggctgcagc ggcaggcgtg ctgcgagccg tcggtggcgc 240
cgtcgcgggc ggtgttcgcc tgccgggccg cggcgtcggg gagcgcggcc gacctggcct 300
ncgggggcag gaggtcgctc ggctgcccgg tgttcgtcat gatgccgctg gacaccgtca 360
aagagtgcgg caccgcgctg caccggcgca aggcggtgc 399

<210> 24929

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H12

<400> 24929

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gggccacgag gagaaagtat gcgtgcagaa ggaggtgaag gaagacatta attaggtggt 120

ggtgattgta cctgtttttt tttttgcctt cttcttttggg gatttggtga tagaaacaag 180
 tggtttttca agta 194

<210> 24930
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H2

<400> 24930

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 aagcaaatca agcgaacaga aggtgtctcg agcactgaca tagttgggag gatattgcta 120
 acattcaggc agaaagatgc tggcactgat ttaagtgttg tcattgctga gaagtctgga 180
 gagaaatcaa atgatgaagt gaaaagcttg gtctctcatt ttgttcatag ataagagatc 240
 ttgcaagat gatgttcttc attaatctca atgtgcgttt tacagcgttt ctatgtctta 300
 attacccatg gatcaaaaat actgagactc tcctgacact ccccttgaca acgttggtct 360
 cgacaggctc aagcagttta gggccatgaa ccagttcaag aaagcagcat tgatgatcat 420
 agctgggtg 429

<210> 24931
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-H3

<400> 24931

ctgtctgctg ttctcgcacc atctacaaag agcgagaaga aagtaaggag catcttagag 60
 gagctctgcg gcaatgccca tagtatattat tggatccgaa gacgacgtag gcgtcgccgg 120
 tctgggaggt gaaacagagg cgcaccotta cgtctccttc accataaatt ttgtctgaga 180
 ccggcatgtt cctggccgtc tgcggcccag gcaacatttc gagcagaact gccataaatt 240
 ctttgttgat ttgtcggttc atgtgctcct gtaattcaca tcacagagag accagccgat 300
 caataatgta gtttctgagg acatgtttcc ctgcagtatt gcaccttggg agcgatttgt 360

aaatggcctg gaacagttgt ctactggatt tgtntattta tttacaataa aagccatgtg 420
 aaaataagt 429

<210> 24932
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H4

<400> 24932

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 gtgccgctgc agtgccacgt tcgcttcctg cagacgcaga gcgtggctcct gcccggtggcg 120
 gccagctgcg gcgccacggc gctctgccac gtgctgggtgt gctggggcgct ggtgtacaag 180
 gccggcatgg gcagcaaggg cgcgcgctc agcaacggcg tctcctacgc cgtcaacctc 240
 gtggtactgg cgctgtacgt gaggctgtcg ggcgcgtgca tggagacatg gaaaggcttc 300
 tcgcgggagg cgtttaagga cctgtggcga ttcgccgagc tcgcctggcc ggccgacatg 360
 atgatctgct tggagtgggtg gtcgtttg 388

<210> 24933
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H5

<400> 24933

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 agcatagcag tactgtgct cctcgtcgtc gccgtcgctc tctccaacgt cccctcctcg 120
 ggcgccctgg cctcctcgtc gtgctctctg ctgcaccagt cgtctccgtc tgagagttag 180
 actgagaccg acagtagcag cggagaatct tcgctgctcg cgtcgctcgga ggaggaggaa 240
 ggccggcgag aaggagaagg agaaggagca ggagatggag aaggcggtcg cggcgagaa 300
 ggctgccag caggagctgc tcaagtacgc caaggagaag ggcacgtgtg taccgaccaa 360
 cggcacgggg tggtagaagg gcatcgcccg ggagttcgtg gacgcccaca acgagctccg 420
 cgcgcgctac ggcgtgcc 438

<210> 24934
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H6

<400> 24934

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 aagcaaatca agcgaacaga aggtgtctcg agcactgaca tagttgggag gatattgcta 120
 acattcaggc agaaagatgc tggcactgat ttaagtgttg tcattgctga gaagtctgga 180
 gagaaatcaa atgatgaagt gaaaagtcag ctatctcatt tccttccaac ttctcgccgg 240
 atcatgcagt tttcaaatgg gcaggctcct tcgccagggtg ctcggtgttg ctatgtagat 300
 ggcacatttg atcttttcca cgctggccat gttgagttcc tcaggagtgc cagacaactt 360
 ggtgactttc ttcttgctcg tatctatgac gacgagtcta tcacggatag aagaggctgt 420
 cgggtctataa tgcattctca tgagcgtact c 451

<210> 24935
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-G3

<400> 24935

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 ccgttgatcc atgttgctaa taaccctgcg tgcccttcgt tctcgtctcg atccccgacga 120
 cgctcccttc ggctccggca aaccacatca agtcgcgatg gagatgaaga aggtcgccctg 180
 cgccgtcctc gccgccgcg cctccgccac cgtggctcctc gccgccgagg ccccggcgcc 240
 cgcgcccacc agcgctcctt cggtgcggtt cccggccgtc ggcgccgtgc tgagcgctc 300
 cgtgctctcc ttcttcgcct actacctgca gtaaaattaa aggaggatcg gagggagagg 360
 ctgctggctg ccattgcctg tattcgngtg gatcccgnta tatatatata tatatatnta 420
 agtactntaa tttgggtctg aacatgtcga ttgatccatt c 461

<210> 24936
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F10

 <400> 24936

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 ggtagatacg tactcgggtg gagcagagca acgagagaca tggcgacgac gacgcgtggt 120
 gccgccgacg acaccggcgt gctgctggtc ctgtcggcgt tggcgaccct ggcgcggggc 180
 gaggacccgt acctgttctt cgagtggaag gtgacgtacg ggaccaagtc cctgctgggc 240
 gtgccccaga aggtcatcct catcaacggc gagttccccg gccccaggat caactgctac 300
 tccaacaaca acatcgtggg caacgtcttc aaccagctcg accatccgct ccttttcacc 360
 tggaacggga tgcagcacag gaagaactcg tggatggacg ggatgccagg cacgc 415

<210> 24937
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F11

 <400> 24937

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 acaaatcatc agaccagatc tggcattctt ggccaatggg tttgtatggc actctcctat 120
 ctagcaagaa ggatgttcat atggctcgaga cagcatctat ataaaagggtg tggctgggtg 180
 aaaatggata attcaaagga aatggaagaa aactggctct agtttagaac cggtgtaaat 240
 gcaggaggaa gtctgactaa tactattatt ctgttcattg tacacatgta ccattgtacc 300
 gaacgcagag aaatgcagcg c 321

<210> 24938
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F12

 <400> 24938

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 ttgcatcgat ctgcatgcat attataattt atattatatt gatgccacgc cgcgcatgcagg 120
 tctttccaag gcgtacgtac tatatcaaatt tattttaatt tccttacatg tatatgtatg 180
 tgctgctggt ggatacgtac gtatatatat atgttctagg gttttctcat ccagaaaagt 240
 tggataggaa agaaacagca cctcggaaga aacttgagac aaattggttg caaagtgtta 300
 ctgggcagcc aagaactcaa gaaccaagct gtcggttatc acttaacgag aaattttcta 360
 attgggatcc tctacttttc cgttcaaaga gtactactgg actaactgat aaatcgagtt 420
 gcaccatggt gcataaggat aaatctt 447

<210> 24939
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-F2
 <400> 24939

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 gtatccacct accaaatgaa tatttcatgg tccttggtca tctagcactt acgtggcacc 180
 agtagtatac agatggctca tacttctgtc ctactggatg cacatggtgt tctgatact 240
 caaggggttc gtgacgcctt ggaacatcct catctacatc ttggagtacg attccctata 300
 cattactcat gtaccacgat cactaaactg gacatgaagt ctatggaaca cgatagctcg 360
 acacatggtg ctcggacttg ttatagaaac tgttc 395

<210> 24940
 <211> 276
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-F3
 <400> 24940

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agagtttaga gggctgcttg attccgaagc tccgagctcg agggattgaa ttgagcccc 180
ccaagatcag aatctggagc aacgggattt ggcttcccgc ttggtgcccc tgattggagt 240
acgcttcttt tagggcggat gagaagctgc tccgct 276

<210> 24941
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F4

<400> 24941

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tcacagctgc ggtgctcttc tacatcctcg ccgttgctgc cctcagcgcg gccgaggccc 120
cggcagagtc accgaaggaa ggcagtgtcg ccaaggcacc tgagtctgcc aagagaactg 180
ctgccccgcg tgaagcacc gaagccgcgt ccacccccgt cgccgcgcgt gccccatcgc 240
cgctcgtctag gaagtctggt ccagctaccg cgccagccac cgctctaca ccccttctt 300
ccacggacga ggagttgagc ccttccccgc cagcatccac cgccgcggcg tccctgchg 360
ctgatggacc ggctgctgat gactccgcgc gtgctgctgc ccttgggaagt ggag 414

<210> 24942
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F5

<400> 24942

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accaccacca ccaagctcaa caacagccag ctgcgaaaa taatgaagag ccgcagcatg 180
gcatcatcgg ccgcgtctt ggtgctagcc ctgcgctag tggcggccac cgcccacag 240
gtagcggagg caaagaagac gagagcggcg gagagcggcg aggcggcgga tgcgaagaag 300
atccaggacg acttctgctc gacgctgtgc gagggcaaga aggggacgga cctggctcgtg 360
tgcaaggagt cctgcgctct ttccagcagt ccaacctgtg ctgtacggag gatccatgca 420

agggcagtgc accgagcaga ag

442

<210> 24943

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F6

<400> 24943

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gccgcgcgcg ccaccggcgt gctgctggtc ctgtcggcgt tggcgaccct ggcgcggggc 180
gaggaccctg acctgttctt cgagtggag gtgacgtacg ggaccaagtc cctgctgggc 240
gtgccccaga aggtcatcct catcaacggc gagttccccg gcccaggat caactgctcc 300
tccaacaaca acatcgtcgt caacgtcttc aaccagctcg accatccgct ccttttcacc 360
tggaacggga tgcagcacag gaagaactcg tggatggacg ggatgccagg cacgcattgt 420
cogatcctgc ctaacaccaa ctttacgtac aagtg 455

<210> 24944

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F8

<400> 24944

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acggaactga tcagcctcgg cctcaacttg gcgaccgaat aggacgcggg ggccctggggc 120
acaacgctca gactagttag aggcgatgag cgcgatgata cgtgcgtacg cggagctggc 180
gtacgctgta caactggact ggcgatccaa tcactacggc acgcacgctg gcatgctggc 240
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gtgcgtgatg cataaggaca cgaccgcgta cacaaccgta agtagtaggc gttgagcgaa 360
ctgaagtggg tggacgaacg agcacagatt gattatcgaa tttatgccgg tacgttagat 420
ctgctgcagt cgt 433

<210> 24945
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F9

<400> 24945

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cccatccatc agcgctgccc tccgcattgc tcttgatacc atccagtaca tcgattctcc 120
ccccaagatc aaaggccgga gaaggaggaa gaaagggttag ggagtcggct atgggatgct 180
tttcatgctg ctgtgtggca gatgacgaca acgttggcag gaggaagaag catgacgac 240
cctatgttcc tatccctgct catgtttata attttggacc tagccgggtc ccagcccca 300
cccctgtcat ctccactggc agagctcagc caattgcagt accggccatt catctggaag 360
agctgaagga aattacaaaa aacttcagca gtgatgcct cattggcgag ggctcgtatg 420
ccagagtcta ttttgggtgtg ctg 443

<210> 24946
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G1

<400> 24946

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gacggccacg atccctcgaa ggcggacaag ggattccacg gaggagggtta cccggccgcc 120
gccggtggat actacggcgg ccagtacccc ggcggcggct accctgctcc accgggcggc 180
ggtgcgtacc ctcccgcccc tgggtacccg gtaccacctg gtgggtaccc gcctccgggt 240
ggctaccctc agcctggcgg ataccgcgg tcgcacgggg cgtaccggc gccgggtgca 300
ggcgcgtatc ctccagcgg gtacccccat caaccggtct accacagcc tggctatcca 360
tcgatgcccg gtcattgtgg catgtacgga agaggccacg gtgcatgggg ctctgcaagc 420
cacggtgcga tgc 433

<210> 24947
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-G10

 <400> 24947

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 agcagcggca gtaatgaccc cattggagac ctagaagccc aggtggagca acttcgaatg 180
 gagctacgtc atagaaacta ggtgtgggta gaagatggtc agcgtataaa tgagttaaga 240
 gctgacatct gccatttgc agacgagctt gttgaacggg atttggcaat cgattcggct 300
 atcaactcat gttccattgc ttgggatcga gaagccaaag ctcgagcccg tgtggaggag 360
 cttagcacgg tcgtcgacaa cttgcaggtg tactgcaata cattacatga agaagttcat 420
 g 421

<210> 24948
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-G11

 <400> 24948

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 gctatcaaag aagaacatgt cccagttgaa tgagtatgcc atcggcgtgc tggaatcctc 180
 atccaattat ctcatgccat cattctattg ctaccccta gatatggaca tcaacctgtg 240
 tcactcgtat agcacggatg ggcctcacta gacactactt tcgacaggag ctaatcctat 300
 aaattcgaaa gtgctgaatc tcatgtaatg atcaagctgt cgaatgtgaa ctacatgctg 360
 cctgctactc aaaagatgtc ctgcataacc acatgttctg ctacctgcaa c 411

<210> 24949
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-G12

<400> 24949

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 gcaccggagt cgcgcgcgc cccgcgcgc gccggcggttc cggccggttc ggcggtggtt 180
 cccgttcctt gtgccgtat tcatcgtcgc caacatcgtc ctcttcgtgc tcaccatgta 240
 cgtcaacgac tgccccgcgc acgcgcgggc caccggcgcc gcgataggcg gatcggtcgg 300
 cgagagcgcc accgcgcagg gctgctggct cgcgcccagag ctcgggaggt tcgcgttcca 360
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<210> 24950
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G2

<400> 24950

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 cggagaagct gaagggaatg ctgccggcat tcttagcatg ttgcaacgaa ctggttgaca 180
 gatgggagaa acagatctct gttccgctg aaccaactga gctggatgtc tggccagagt 240
 tccaaaactt atcgggagat gtgatttcaa gagctgcatt cggtgtttagc tatgaagaag 300
 gcagaagaat tttctactt caggcggagc aagctgaacg ccttgttcaa tctttcaaga 360
 caaattacat ccctggcttc tctctcctgc caacagaaaa caacagaagg atgaatgaaa 420
 tcgacagggg ggtgaagacg gtcctgaggg gcataataga gaaga 465

<210> 24951
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F1

<400> 24951

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agcatcccct tggtcaattg accccaccac cgcccgcctgc tgcttcgttt ctagctcgag 120

agagttagt ggggtgcttg attccgaagc tccgagctcg tgggattgaa ttgagcccc 180

ccaagatcag aattggagca gcgggttttg gtttcctgct tggtgccgct gattggagta 240

cgcttctttt gtgggtggtg agaggctgct cggttccgc cgaccatgtc cgtgccggcg 300

atagccgtgt acaccagccc gcccggcgcc gtctacgcgc cgccggagct cgagtccagc 360

tgcgcggct cggcgccgtg c 381

<210> 24952

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D7

<400> 24952

attcaaagtc tagtagaatt gtgcgctgga ggtgtcgacg gcgttaggtc ggcgaatgca 60

cgggatgatt tcttggtcgc atgacctatt tg 92

<210> 24953

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D8

<400> 24953

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agcctgcagg ccggatcgtg ctgggactgt ttggggacac cgttcctaaa actgcagaga 120

acttccgagc actttgcaca ggggagaaag gaattgccaa gtccggcaag cctctgtggt 180

acaaggggtc gacgttccac aggatcatcc cggggttcat gatccaggga ggcgacttca 240

ccaacggcaa cggcacgggg ggcgagtcca tctacggcag caccatcttc tccgacgaga 300

acttcaagca caccacgcgt aaagccggta cgctgtccat ggctaactac gggcccgcact 360

ccaatggctc ccagttcttc atcaccaccg tagacgaaaa ccggttgccc aagaagctgg 420

acgggcgcca cgtggtgttc ggcaaggtgg tgaaagggat ggacgtcgtg cgcaa 475

<210> 24954

<211> 448

<212> DNA

<213> Zea mays

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<400> 24954

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tcctgggaca acccaccgaa gcagcaccct cactacctca cgctcgccga cttcgacggc 120

atggttaaca gcaacgcgcc ctttgcaagg aagtccggga gagaagaccc cgtgctggac 180

aagatcgacc aggagctact gggccgcccgg cctgatgggt ttgtgcccgg cggatggacg 240

tacctactga atgcgacgac tgaggaaggg agacccttcg ccgttgagcg cgtgcaggat 300

ctccgcccag ggccctggtgt ggacagattg aagaaactcg tcacgggctt gctcacacaa 360

gaaggctttg atgacaagca ctgcttgtga gactgcccc cagtaagatg attctggctg 420

ggggcggtag attacacggt cagatctt 448

<210> 24955

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E1

<400> 24955

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cgtgcagggtg ccgcgcgggc aggtggatct gatcgacttc atcgactgga ccggcgctcga 120

gtgcctcaac caggactcgt cccacagcat cgtcaacgcg ctcaagcaga gtttgagaga 180

cgacgagggg ctgtacctcg ccagcgattc ggacgagcag ctgctgatct acatcccctt 240

catgcaggta gtcaaactgc attccgcgct attcaaaggt cccgaggaag agggccccaa 300

aacagtaaaa ctctttctcca acaaagagca tatgggtttc agcaatgtca atgactatcc 360

accaagtgac accctcgagc tatcatccga tcatttgata gagaataaac ttttgccact 420

aaagtatgtc aagtttcaaa atgttcgcag tctgactata tttattgagg acaaccaaag 480

<210> 24956
 <211> 420
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E10

 <400> 24956

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 ccccttcacc gttggttgcc tcgtgccgtg gcctgggaag tcgatgactg ctcatcatgg 180
 taggaggccc cgaccgaccg tgcaaccgtg tgccgacgct gtggctgtgc gccaatgaaa 240
 tcacgagcga ggtcacgagt catctgaaga gcaagttggt acctggaatc tcaagtgcc 300
 ggtcaagaac aggtaccaca ggatgaggcg cttggaggat gctgtgatga gttcgtgagt 360
 ggtctangcc ggcgtcttcc atcaactttg ggttgetgga ccattgtctt cttataatgt 420

<210> 24957
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E12

 <400> 24957

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 cccacgcgtc cgcccacgcg tccgctaaaa agaaggtag attagggagc ccagcggctc 120
 aatggatttc agtttataat gctaggcgac ccatgaagca gaggtaccat tacaatgtgg 180
 ctgactcaag gctaagtcaa catatagaaa agggtaatga tgacgggctt tacgttagtt 240
 gtgtggcttc ctgggcaaac ctttgggcac tcatcatgga cgctggaact ggtttctgtt 300
 ctcaagttta cgagctctca ccagtttttc tccacaagga ctggataatg gagcagtggg 360
 agaaaagtta ctacataaca gcaattgctg gatcaaccaa tgggagttca ttggttgct 420
 tgttcaaagg aac 433

<210> 24958
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E2

<400> 24958

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gaggcaggat gtcttcggta tacgtgcttg agccccgac gaaggggaag gtggtggtgc  120
agacgacggc cggcccgcgc gatatcgagc tgtggcccaa ggaggcccc aaggcggcgc  180
gcaacttcgt gcagctctgc ctcgagggtt actacgacgg caccctcttc caccgcgtca  240
tcaagaatct cctcgcttcag ggtggcgacc ccactggctc cggcactggg ggtgagagca  300
tctatggggc tccatttgcg gatgagttcc actcgcggct gaggtttaac cacagggggt  360
tagtggcttg tgccaatgct ggtacatctc attctaattg gagccaattc tttatcacc  420
ttgaccgttg tgattggctt gattagaaga cacca                               455
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<210> 24959
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E3

<400> 24959

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ccaaactttg caagactggg atcttggaat gtgattatgt tcttgacatt ggagcagggt  120
caaaagctgt ttgtgaggaa agcgacaagc tgatgataga gtttttgagc tcagggtggcg  180
tacaattgac gcacagggtt tttcttctat agacaaaagg ggagaaatga cacctcccc  240
ctcgagaatt ggggaacaag gacagatctg acacctcaat tgcgagaaat aaaaataaca  300
gccgacagtt gcatgatccc tgaacgaata aattcagaac tagaaaacag atgtcagtaa  360
acaacatgtg gtgaatgttg gaacttgaac tgctctagtt cagtgggcat ctgttgatgc  420
atgcttggga tggatntaat gtttcgtant ttttctttct tgtactgaaa tgctc       475
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<210> 24960

<211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E4

<400> 24960

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caagcttata cgtgggttct gccacctcta cgacggccag gagggcgctg ccgtcggcat 120
ggaggccgcc atcacccgct ccgattccat catcacgcc taccgcgacc actgtacctt 180
cctcgcccg cggaggggacc tcgtctccgc cttctccgag ctgatgggcc gcgaggctgg 240
gtgctcccg cgggaaggcg gatccatgca tttctacaag aaggacgcca atttctacgg 300
tgggcacggc atcgtaggcy ctcaggtgcc cctcggatgc ggctggcct tcgctcaaaa 360
gtacaagaag gaggacacgg ncacgttcgc gctctatggg gacggtgcgg ctaaccaggg 420
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<210> 24961
 <211> 474
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E5

<400> 24961

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ccagcctctt gatcacttga tcctcctgca caccagagta ccagacacca ctgcgcata 120
gtgcaaagag gtagctaccc tatctgccat ggctcaagag ctccacgaaa cgtcctcttg 180
ctctgccacc accacctcgt cgtgcaccac atcctgctgc tcgtccactg tcacagactc 240
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ggcgttggag gccgaggccg aggccgaggc gggcggtgag gaagaggagg aggaggagga 360
aggctgtgct ggtaataagg cggcgccggc caagaagcga ccgcggtgca gcgaggggaa 420
gcaccgcagc ttccgcggcg tgcggatgcc ggcgttgngc aaagtgggtg cgga 474
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<210> 24962

<211> 476
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E6

 <400> 24962

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 atatcaagga ttttgccccg ataataataca ctcccactgt tggcttggtc tgtgaaaatt 180
 acagcgggtct gttcagacga ccccggtggga tgtatttcag tgcaaaggat aagggggaga 240
 tgatgtcaat gatttacaac tggccagcag agaaggttga catgatagtt gtgactgatg 300
 ggagtcgcat tctaggctta ggtgaccttg gtgttcaggg cataggtata cctatttgga 360
 aactggatgt ttatgttgca gctgctggta ttaaccacga gaaggttctt ccaataatgc 420
 ttgatgtggg aacaaataat gaaaagcttc tggaggacaa gctatattta agactg 476

<210> 24963
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E7

 <400> 24963

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 gatgagctca agcagctcca ggtgcagctg gaaaacatca acaagctggc acacaagcag 120
 gtccggcgca tcctctgggtc tgggtctgggt ttcttgatca cccaggtggg cctcttcttc 180
 aggetcacgt tttgggagtt ctcggtgggac gtgatggagc ccatcacggt cttcacgacc 240
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<210> 24964
 <211> 475
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E8

<400> 24964

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gaaccggcag gtcattgtaca tactgctcca ggcgctgttc acagtggcaa caatggcact 180
gaccgtacct atattcctgt cctaccggat gcacgtgggtg ttcctgatac tcaaggtgtg 240
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gccagggtgt gatggtggca cattgtgtaa ccaccaccag cacacatccg aggagcatat 420
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<210> 24965

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E9

<400> 24965

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tacatcctat actgaaacac taaagggtg cccattttac ataccaaga tgaccctccc 180
ctgacgtgaa agatgcattt ctgtcttttag tggccctaaa attaaattag ctggcctaga 240
ttttaacagt attattccgg gaaaaccca gggtttacta agctaattggc ctttatagaa 300
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<210> 24966

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D6

<400> 24966

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 cctaccgcga cgcaagaggc agcgatccgt atgtcgtcct acgacttggc aagaagaaac 240
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 tcgtcacaga tcccagccta gctctgaagc tggaggtggt cgacaaggac acgttcagca 360
 gggacgaccc gatgggggac gcggagatcg acgtggcgcc gctgggtggag gcggcgaacg 420
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<210> 24967

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-C3

<400> 24967

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 gccgccttcg ccgctgggct cgtcgggggt tacctttcca tgccggactc cgactacagc 180
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 cagaccttca tgatcccagg gacaatattc atgtcactgc ttgctgggtgc tctgtttggg 360
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<210> 24968

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-C4

<400> 24968

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gccagcctcg gcaacatgtc cggcacgctc aacgagatcc tctcatcaa caacggcctc 120
gactcctgcg tcccgccgga ggtcggcttg ctccgggagg tgaccgtctt cgacgtcagc 180
ttcaactcgc tcgtcggccc gctgccgcag cagggtggccg ggatgcgcaa ggtggagcag 240
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cggctcaaga acctgaccat ctctacaac ttcttcaccg gcgagccgnc gtctgcgcg 360
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acgccgcagc agtgcgccgc gttctactcg ca 452

<210> 24969

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C5

<400> 24969

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acaaggccga ggagacgacg gacgcgctcg ccggctgcct gcgcatcgcc gaggacatca 240
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cgcacgagaa ggccgtcgag atcgaccagg acctcgccaa gagcgagacc cttctcggga 360
gcctcggagg cttcttctcc aagacgtgga agcccaagaa gacgaggcag atcaaggagc 420
cagcgcacgt gtcacgagat gactccttca agaag 455

<210> 24970

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C6

<400> 24970

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ctttctccat tcccagatcg aaggtccata aaaaaccatc cttttgcatc tgattgagca 180
ctgtctttgt gcaagagaac aatttagttg tacatacaaa caaaaagaag tgggagtatt 240
tttcagagtt tattagaaga gactgtttcg aggacccagg tcagagaaag gcgagaagct 300
ttagcagcgg caatggctcg gtcaatggac ccgcaggtga ccgtccacgg cgactgggtg 360
tcagccgtgg tgccgctgat gaagctgctg tgcctggcgg tgatcggcct gctcctcgcc 420
aaccggcggg tccaggtcgt gccaggggcc accttcaagc t 461

<210> 24971

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C7

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gccggtggag atgcatcagg ggtgacagat gagttgcaca ctgtaccaga ggacgaacct 180
gtttatcacg atgcacctga ggtgcagaaa gaaaactgag gcaacggcca catgcggctg 240
aagaacgaag gaaaacatga ggcttgtagt gaggcaatcc tgtgtatctg gaagatggga 300
ccggctgttt atctttgctt ctatatatca actgcgtatc atgatcagct gtctgcttcc 360
cgttgagttt catatcagag tcgtagatca tctgagtttt ttgggtggtt gcttgtgaga 420
tgtagagtac tcttcccgtg ggtcgaaggt gtcttgcaaa tgcttgaact ttat 474

<210> 24972

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C8

<400> 24972

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caacaaggag aataccttgt ctccatttgc tggacttgca tttcatccac tggatgggat 180

tctgcaagca ataccacatg tgttcgcgct cttcctcttt ccaacgcact tcaggacaca 240
tattgcactc ttgttcctag aggctgtgtg gacaacaaac atccacgact gcattcatgg 300
caagatatgg ccagtcatgg gtgctggata tcacaccatt caccatacga cttaccgtca 360
caactatggc cactacacca tctggatgga ctggatgttt ggtacgctca atgagccaga 420
agatatcctc aagaaggctt gagtttctcg gagctgtggt attcctatgg tgctgctg 478

<210> 24973

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D1

<400> 24973

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ggttcccccg ggtaagaaca tcacagccaa ctatggtagt gattggctag atgccaaggc 180
aacatggtat ggcaagccaa caggtgccgg cccggacgac aatgggtggcg gatgtgggta 240
caaggacgtg aacaaggccc ctttcaacag catgggcgca tgtggcaacg tccccatctt 300
caaggatggt ctaggttgtg gatcctgctt cgagatcaag tgcgacaagc cagcggagtg 360
ctctggcaag cccgtgggtg tgtacattac agacatgaac tacgagccca ttgcggcgta 420
ccacttcgac ctagcatgca cggcggtcgg tgccat 456

<210> 24974

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D10

<400> 24974

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cccttcaccg ttggttgctt cgtgccgtgg cctgggaagt cgatgactgc tcatcatggt 180
aggaggcccc gaccgaccgt gcaaccgtgt gccgacgctg tggctgtgcg ccaatgaaat 240

cacgagcgag gtcacgagtc atctgaagag caagttggta cctggaatct caagtgccat 300
 gtcaagaaca ggtaccacat gatgaggcgc ttggaggatg ctgtgatgag ttcgtgagtg 360
 gtctatgccg tcgtctgcc a ctcaactttg ggttgc tggga ccgttgacta cttataatgt 420
 aatcaattat tta 433

<210> 24975
 <211> 267
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-D12
 <400> 24975

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 aaagaaataa gaaaaataa aaaaataaaa aaacgtacat acaaacaaaa agaaaaaaaa 120
 ataatggaac aaaaatataa ataacaaagg gtcgtgtaaa caatagggtta accaaactta 180
 ataggctatc atcacacaac acttttggtg ataaaactcc ctatattaca ggcctttgcc 240
 gattacgtat cggccccgtt tttgaaa 267

<210> 24976
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-D2
 <400> 24976

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 gtacgaatgg aagacgcata ctgattagt ccttcaggat cctattcggg gcatcagaga 180
 taaaatgctg gtagagatcg caacatgtga tacacagtga ggattcagac gctgatgcc 240
 attaactaga catagtgcct gctgcaaggc gccttgtacc cgaattcatg atgtaccctg 300
 ctggaatagt gagccctttt tgaaagtgt ttttaagtatg aatgccacca cgactgacta 360
 gtatttgtga atgatctttg tgtatctcac gacatacatg gactttcatg ttcttgcgat 420
 ctaagaaagt actcataatt ttctagaaga tt 452

<210> 24977
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-D3

 <400> 24977

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 caactctgag gctaccatca tcacctacaa cggtgatgct gacggcgaca ccgacagcct 180
 aaacgtcaag gactacacgt actgagctgc tcctctctgc atgcccgctt tggaactcct 240
 gactaccagc tacgttgccg actgtgggtt gctcgtcaga tcttatattc tgacattcaa 300
 aaaacatgct tcctatttgg gatgatgggt atatatatat tgcgactgta attatt 356

<210> 24978
 <211> 468
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-D4

 <400> 24978

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 caagagcaag agctccagcg cgagttgccg cagcgtgttg attcccgttc caggcagcag 180
 tagtgtagct aatcctggcg gagaggcttc cctgtttccg ttgtccgtaa aagcaaacca 240
 agcagcagtt agcttcgggc ctgattcccc cctctgcacc tccatggcct ccgtgctgaa 300
 gatcggagga agaggagagc aggttaagag ctgcagccct gcctcagcag cagcacagcc 360
 caggaacgga gaaaccacaga ccagacgtg cgcaccttct tctgctgcta caacaccatc 420
 agatggtcca gggaatggat tgcagaaagg agcagagagc gcacacca 468

<210> 24979
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D5

<400> 24979

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tgcacccctt cattcgatgg ttgaccttct atggttccac ctaatgacct ttcagcaaac 120
cgaggttcag gccaggattt agcagaagct agcaagttct ctcagggaag aagagcgggt 180
tatattccac ctagtggttt tctgatgtcc ttgttagctg ataggacca taatccacct 240
tctttccaga actcatctaa ccatccagga ggtggttcag cgcatactcg gccatccagg 300
gctcctgttg gtaggtttga tcgatctcgg cgacctttcc gcaattctgg acctgggagt 360
tcagcaccac gttctttcaa aaggcagcgc gacgctccac ggtgagcaag gcat 414

<210> 24980

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C2

<400> 24980

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cgccgtcgcc gccgcattca gggatggaga tgaagaagat cgcttgcgcc gtccctcgctg 180
ccgcctcggc ggccaccgtg gcgctcgccg cggaggctcc ggctccgggc ccaccagcg 240
gctcctccgc cgtcgcgccc gccgtcggcg ccgtcctcgg ggccgcccgc gcctccttct 300
tcgcctacta cattcagtga gccggccgcg gccggtcgcc cggaggccga ggaagagacg 360
aagcgggaga gagagtgaca tggctgcgcg cattccgatg cgtgggcatg tttctgattc 420
gacacacctt ttgttctctt tttctttgtt ccctctttct gcttaattta acgaattgat 480

<210> 24981

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B1

<400> 24981

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cccgtttttt ttttgtccat gtactgcagt gcagcggact gagccgctgg cacagcatgc 120
ggtaataatc ttgtcacaat gacagtgcgtg taatcgggag cgtgtttctt gtaatcttgt 180
taggaagtgt ttctggtttt gtttgagc 208

<210> 24982
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-B10
<400> 24982

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gggcctgtcg taccgggtccg tcaagccgga gacgttcgcc gtggtggacc tgtccatgat 180
gcggcatgtg cgcacgcacg gctaggccgc cacggcttaa gtggacttca tggcgcagct 240
cgcccagctc tactactctc tggcgaagat gacccccagt ctcaggtttc ctgaggctcg 300
gtgcgccacg atcggcgtct gaggccactt tagcgggcgc gtgtttcagc attgctgctg 360
cgcaagt 367

<210> 24983
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-B11
<400> 24983

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cagcgaagta aacatgtctg accgggcaaa gatgtcgtgg caggcgtacg tggacgagca 120
cctgatgtgc gagatcgagg gccaccacct cgcgggcggc gccatcgtcg gccacgacgg 180
tgccgcctgg gcgcagagca cggcggtccc cgagttcaag accgaggaca tggccaacat 240
catgaaggac ttcgacgagc cagggcacct cgcgccgaca ggctgttcc tcggacctac 300
caagtacatg gtcacccaag gcgagcctgg tgccgtcatc cgtggcaaga agggatcagg 360

aggcatcacc gtgaagaaga cagggcaggc actcgtcgtt ggcattctacg acgagccgat 420
gacgcctggg cagtgaaca tgggtg 445

<210> 24984
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B12

<400> 24984

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cctcaaaact ggatcaacaa acttaaaata caacaataa taataggag gaagatcctc 180
tccgtctgcg tacacagcac ggccatcacc tagtactaca acgacgacat ccacaacatc 240
atgaaggact atccccagcc agatcacatc gtgcatacag gcctgtttgt aggacttacc 300
aagtaccatc gtcattcca 318

<210> 24985
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B2

<400> 24985

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ccgttctcct tcgaacaagg caacaacaat ctgttccggg cgccaaacaa aaccaataa 120
aaaacacact gaaccaata atccgatccc acagaaactt ttctctcggg ccgttcgatc 180
gatcgtgcc gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg 240
gtcagtgcg ccaccgcgt cgcgagacc gtcgtgcccc gcacccatcg tcctgctgca 300
gtccgcgttc gtattcttct acgctaggaa gcctgcgggc ggtagtctgc ggctgcagct 360
gcaagcatgc tgcgagcc 378

<210> 24986
<211> 448
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-B3

<400> 24986

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gagaaacacc cacccgagat ggcgatggct ctgcgccgcc ttgcgggcgt gtccggatcg 120
ccgtcggcct cctctgccgc ggccacgggt ctactccggt cggcgctgac ccgcccgate 180
tccaccgggt tccgcgagga gcgcgacacc ttcgggtcca tccaagtccc caacgacaag 240
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aggatgcccg ttcccatcat ccgtgccttt ggcgtagctaa aaaagtgcgc cgctaagggtg 360
aatatggact atggccttga tccaacaata gggaaggcca taatacaggc agctgangag 420
gtcgcagagg gaaagttgga tgatcact 448

<210> 24987

<211> 485

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-B4

<400> 24987

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cggcatgggg cccggcaaatt ggacggcagc gtcgaggagt acgtacaacc tcctggacac 120
ggtgagccgg cacacgatcc aggtgtaccc aaggctcgtg acggcgggtga tgatgacgtt 180
cgacaacgcg ggcatgtgga gcgtccgctc caacatctgg gagaggcagt acctcggcga 240
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ggagaccagc ctccgctgcg gcaaggctcg cggcctgccg atgccaccgt cctaccgcgc 360
cgtctagagc gtcgaccgat cgcgcacggg gctgtacaca actaaaggag agcgagaggg 420
gactntntct cgcgtttcct tctctagcca gccttgtctg tccccttctc gttaatctct 480
ctctc 485

<210> 24988

<211> 474
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B5

<400> 24988

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agctcaaatt tgtacattta gaacgacata atctacttgg acctttacag taaagggcag 120
aatgataaat tcttggttgt atcattcaca agtaaatgca tctcctcctc aagatatgcc 180
gatcgtcttc cctagcagcc acattaccag cgagaactcg atcataaaca gcgcgtgtag 240
ccatgtccgg tcgacgacga aaccgaacac cgtgatcccc gcccggttgt tctccaagta 300
cgtcactagc gcctgcctct tctggaagga gacgttggtg gcgtggaaag gcgtgaacct 360
tgagggtgtcc acgccgtcct cgctccgcca ctgcgtcgtc tcggactctt cgccggacga 420
cgcgccccgc atcggaagg gactcgtggg cgtttgctgc tgcaggcacg cttt 474

<210> 24989
<211> 481
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B6

<400> 24989

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cggccaagcg gatcggcctc tcatgcgcct ccttcttctc ctacgccgcc tctccctccc 180
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agatggagga acccaccagc accagagtgg ctgacaagaa tctatgtgca atatgtttgg 300
aactcctcag cagcagcatc agcagcgatg ttgatagtgg tgaggcggca gcaatctaca 360
cagcgcagtg ctcccactca ttccacttcc tatgcatcgc ctccaacatc cggcatggca 420
acgtcagctg gcctatctgg cgtgccccat ggggtctgagc taccacgtga cctgaaggtt 480
c 481

<210> 24990

<211> 475
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-B7

 <400> 24990

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 gtgtcgtcga tagggcgagg aagacgctga tgggatgcta caactgagac ttgggtgggt 420
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<210> 24991
 <211> 452
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B8

 <400> 24991

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 gcgatggcca gatcacgaag aaagagctag gggagtcgct caagaacctg ggcatccaca 180
 tctctgatga cgagctcgat gccacgatgg acaagatcga tgccaatggg gacgggtgcg 240
 tagacgtcga ggagttcgga aagctctacc gctccatcgt cggcgagggc caagtggaca 300
 agcacgacga ggaagaggac atgcgggagg cattcaacgt cttcgaccag aacggtgacg 360
 gcttcatcac cgtggaggag ctgcggtctg tgctgtccag cctcggcctc aagcaagggc 420
 gcacggccga ngattgccgt aagatgatca gc 452

<210> 24992
 <211> 441

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B9

 <400> 24992

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 cgatgggtcct tctcatgttg caaagactgt gcccttcata tctctttcaa ggctgtggga 420
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<210> 24993
 <211> 494
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-C1

 <400> 24993

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 ggtaggtata gatggagatg cagagagaca accattgggtg tttatcaaga tgaagctagc 180
 aaatgccagg aaggagcttg aggacatgag agcagacatt aaaaaattca aggatgatgt 240
 taggaaactt tggaatgtcg cagctacatt tcgggctgat atagataggg aggaggcagg 300
 tctactagca ttagagcaca aagagcacct tgcttcgatt tctgtatcat ctcaccagga 360
 agagctaagc aacattacat atgagctcaa catcatccat gaaagaacaa aagcaactaa 420
 gatgcctata gagctacaac aagcaactga aagtgtggaa caagcaaaag ctaaggcttt 480
 gatggcccat tata 494

<210> 24994

<211> 282
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-C10

 <400> 24994

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 ggaactgaga caatggccta gatctcaaga acgatccatt agttcgaatt tggacggtgc 120
 caggccaaca cgtatacaag tagatcataa gctacgactg gatcatataa cttgaagatt 180
 tgaactacct agtctctagg acatacgatg aaactagagc gctggtagag gcaaacaaat 240
 gggacgtgtc agtgcacaaa gactatctag ctatggagag ac 282

<210> 24995
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-A9

 <400> 24995

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 gaattggctc acggcgctaa cgcggggctg gacatcgcgg tgcggctgct cgagcccatc 180
 aaggaggagt tcccaatcct ctcttacgcc gatttctacc agctcgcggg agttgtggcc 240
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<210> 24996
 <211> 346
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E8

 <400> 24996

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 cgggggggacg ccggtgtatt gctcggtcct cctccctggg tgcccaggagc agccgtgacg 180
 gaggcggagg tggcgggtggg ggaccatgta cagatcggcg ggggtcgcga tggcgtggaa 240
 cgtgttccgc gtctgcacgg ctctacgagg gctgggttcc atcatgagcc tactcgacct 300
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<210> 24997

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E9

<400> 24997

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 ttctatatatt tctaattggc ttatagctca gcaaaagaat actacagaca gtggagttta 180
 tttgtatcca gatatacaat gtggagaaat tgttcatcta ttctctctgg ttttgtcagg 240
 aaacctttctc atttcacctt tcttgccatg tgaaggagtt ggtgaggctg atgagcctaa 300
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<210> 24998

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F1

<400> 24998

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 caggaggagg ttgcgagaat gtcacagctt ttttcttcat gtttatcact atcatgtcca 180
 tcatcggcgt ggttttgtct ttcgtcaagc acacctgtga attaaacagc aaaagaggta 240
 agaggaaaag agcatagctt aataggtatc aacacagttc agtgacgttt gtattctgag 300
 atgtttotca tctattaaag ccttagttct ttgttacctt tttcacaact ctgtactgtt 360

gcctcatatt ctgattgcgt ttctaaaatg tgatgttggt gaaacaaaac gtattgatgg 420
 tttgt 425

<210> 24999
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-F10
 <400> 24999

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 tgggcaagtg gatccggggc acggggcagg ccatggaccg cctcggatcc accatccagg 180
 gcggcctccg cgtcgcaggaa caggtttcaa ggcacgtac aatcatgaat atttttgaga 240
 aagagccaag gatccataga gatgtgtttg ttgctcccag tgcagcagtc attggggatg 300
 ttgagattgg tcatggatcg tcaatctggt acggatccat attgagaggt gatgtcaaca 360
 gcattcatat tggatctggt actaatatac aagacaattc ccttgtacat 410

<210> 25000
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-F11
 <400> 25000

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 acctccacca actctggcga gctcaccgcc tcttgcactg aggtcccctc ctccaccggc 180
 gccaatcaac tctccaccca caccggtcaa atcctcacca ccacctgctc ctgtgagctc 240
 gccacctaca ccagccttcc catcaccacc ttcacctgca ccatcatcac cttcaccgtc 300
 ggcacctgag gagttcatct tgccaccaat catgggtcaa cattatgcgt cgacaccgtc 360
 ggctctgttc caaggatact aagcggatgat cacagcgcgc tctactgacg atgag 415

<210> 25001

<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F2

<400> 25001

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cttctgtgtc gtgcatggtg agaaggcaaa gtcaaaggac aacgatgcaa aagcgctccg 120
gcccggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca agacggatag 180
cacgaaggct gtgcaggagg cgtgggcac agcgtgcggc ggaccggga agcagacgat 240
cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc catgcaagg 300
cgacgtgacc atccaggtga atggcaatct gctggcgacc acggacctaa gccagtacaa 360
ggatcatggt aattggatcg agattctacg cgtgga 396

<210> 25002
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F3

<400> 25002

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agctagcctg ctgatctgtt ctgttggtta gttcgcaaag ctttctgttt cggcgaccat 120
ggaggatgag aggaacacac agccttctcg gcaggaagaa gcacgacgac gaccaggaga 180
agaagaagca gacggatgag ctggcgaccg gcatggagaa ggacacggtg tccgagcccg 240
agaagcacgg gcacaaggag gaggagcacg aggtcgtcgg cgagaagaag gagggccttc 300
tcgccaagct gcaccgcacc agttccagct ccagctcgtc gagcgacgag gaagaggagg 360
cgatcgatga gaacggcgag attatcaaga ggaagaagaa gaagatggg 409

<210> 25003
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F4

<400> 25003

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ggaactgttt gctgaagtcg agaaggagct cacatcaagc agcagtagcc atcctaattgt 120
agcagctggt ccactactg cttaaattgtt atcagtatca catacaaaca attattacag 180
gattcacatc aaagcaattc aggtacaagg ctaacatcag tacaacacca aaagatagat 240
tgggcattgc atgaatcaca tgcgtatgaa gaagccagaa gagtggatag ctgtttgtga 300
tctcttctctg ttctcttctg ttcacggtgt cacctgcttc agcgctcttg cactgccggt 360
agaaagtctt acagagatga gagctaaaaa gggtttcaaa gtaacagggt gtttcagaaa 420

<210> 25004

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F5

<400> 25004

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ctaaagggtg tgatacaatt tggggaaatc tggattggtc tccagaagat ggcattgaat 120
gtaaagctaa gaagcacaaa gccaacgata ctgggggtttc taaggatagc aatgggggaa 180
atatcgaggt tcaacctgaa cctattaact atggaaggct ggtatctttt ggtaaagatg 240
tagcagaagc accttcttca gagattgagc agatagaatt tcgtgatgct gttaaaggta 300
ataatatcgc ccattcaaatt acgtcatgcc gggagatctg gacagagtat cacgaattat 360
gatggggtgg aataaaggca gtcgcagact acatagttta cactgctagt tctgtttag 420
acc 423

<210> 25005

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F6

<400> 25005

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ttcgtcagca ggatcagcga cgtcggcttc gcaaggctgt tcccacagtc cgtggccgtc 120
gtcaccatt acaggttgac ttatccggcc gtccctttgt gctactttca ctcgagtagc 180
catcagactg gcatgctcac caccatgtct tacgtgtact tcctcggcat catgcggcta 240
tcagattatc tcgctgggt cgccaatggg cctaacgcat cacgtgtaga tggcattata 300
gagaggtgcc tt 312

<210> 25006

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F7

<400> 25006

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caagaagaaa catagtcaag aagaaacgga ttgcaagaat gcaatggaaa gaagggatcc 120
ctcttttaca ataaaaggga tcgtatittg agcggcacct ccacctgcga ggacgcctgc 180
aaggacctgc ccaagaccag cgacaaggac gacgtcgtca acttcagcct cgacttcgag 240
aagctgcagc gcgtcacgct cgacctcatc accgaggcgt ccggcaccat gtccgcaggc 300
atgcacctgc caccctccaa cgccggagcg ccctcctacg gcgcggcggc gccttccgag 360
ggctccgctg atgccccga cggcgcctcc gagggccctg cgagcgccag cggcccgtct 420
ggtg 424

<210> 25007

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F9

<400> 25007

cggactcgtg ggcggacgcg tgggttgatg agaaaaaaaa aaaaaaaaaa aaaaaaagg 60
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaggaa gaaaaaaata aaggaacaaa aattaaataa aaaataaatg aaaaataaaa 180
aaaaaataaa taggggcacc taaattaaat taattggcca tatataaaaa acgtaattga 240

ctggaaaaac actgggggtat ccaaatttaa tcgcttt

277

<210> 25008

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-G1

<400> 25008

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ccttcgtctc gacctggctg gccgcgacct caccgactac ctcatgaaga tcctgactga 120

acgcggctac tccttcacca cactgctga gcgggaaatt gtcagggaca tgaaggagaa 180

gctcgcctac attgccctgg actacgacca ggagatggag actgccaaga ccagctcttc 240

tgttgagaag agctacgagc tgctgacgg acaggtcatc accattggtg ctgagcgctt 300

ccgctgccct gaggtcctct tccagccatc cttcattggg atggaagctg ctggtatcca 360

cgagaccacc tacaactnca tcatgaagtg cgacgtg 397

<210> 25009

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G10

<400> 25009

gaaacgttgg cgtgttgggtt ggggtggcgtc ggcattggacg aggcaacgaa gaagaatgtg 60

gaggctacgg tgctggagat cctccggggc tccgatatgg agtccgtgac ggagtacaag 120

gtccgcgcgg ctgccagcga ccgcctcggc atcgacctct ccataccga ccgcaagctc 180

ttcgtccgcy gcgtcgttga ggaataccta ctttactct cctccaagga ggaggcgaag 240

gcggaggagg agggcgctac tggcaggag agcaaggga aggaacacga agaggaggac 300

gaagaggatg acgatgagga ggaggatgaa ggtaagggtg gcgggaagag agagtacgat 360

gaccaagggtg accttactct gttgccgctt tcgagc 396

<210> 25010

<211> 324

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-G11

 <400> 25010

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 tatccaggat ccaccaccga agatctgagc tgttccagtg gaagcctgca actgcacttc 120
 tggttgttta tgaactctgg atcgccacca gaggcttgca gctgagttgt tcattaaata 180
 atttgtttgc tgcacacctgt gatatcgca gaaaataatc taaccaatgg ccggtgtagc 240
 ctctggttgt atgtggcaag gcactattgt ttagagagat caaaaggaac aatgctgata 300
 gtcaatgaag tttgattgcc tgac 324

<210> 25011
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-E7

 <400> 25011

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 ggcgccgaag aaaggggtgcc tcgcgtcgcc ttgggtgtccc cgaagtcgtc gacggtgcag 120
 ctcgatccgc ctgcgtcagc atgtcgagga ggggtcccttg caaattcttc ttgcatggag 180
 cttgcttcaa aggagattac tgtgaattct cccatgactg caatgatcaa ccagataatg 240
 tttgcacttt ctaccagaaa gggacgtgca cctttggtag ccgttgcaaga aatgaacatg 300
 ttgaagttca ttgtaactgc cccaaccag caaccaactgt agcgcggtgca tccncaatt 360
 cttctcagct agttgcttct tccagagatc cccattgcag cgaatgc 407

<210> 25012
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-D2

 <400> 25012

ggaaaagagt ccgatgtctt cctcgtcgac catgcgtggt ccttccgcct ccctgatgcg 60
 ctcaagcagt tgcgggaagt accaggattg gctgaaagga tggcagcatt gatgtgtgtc 120
 gatttggacc gcaagattga agaagatgag caggatgatg acgagagtgg gagcttggag 180
 catgtatcgc aagtagtca gaaagaaagg gctagagttc aggagagaag tgattctaca 240
 gcttggctgg aacttgaaga acttgaatt gatgatgaca tgctagtagc cttggatcta 300
 tctgcaaatt ttccgaatct agtagctctg aacctatggg gaaacaagct gcgggatcca 360
 gagaaagtta tgcaagaaat caggaagtgc acaaagctaa aggcacttt 409

<210> 25013
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-D3
 <400> 25013

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 aggcatcaac atcagtggca tcaacgggga ggcatgccg gggcagtggg agttccaggt 120
 cggaccgtcc gtcggcatct cttcgggcga tcagggtgtg gttgctcgct acattcttga 180
 gaggatcacc gagatcgccg gcgtggtggt gacgttcgac ccgaagccga tcccgggcga 240
 ctggaacggc gcgggcgccc acaccaacta cagcaccgag tccatgagga aggagggcgg 300
 gtacgaggtg atcaaggcgg ccatcgagaa gctgaagctg cggcacaagg agcacatcgc 360
 ggcttacggc gagggcaacg agcgccggct caccggcagg ca 402

<210> 25014
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-D4
 <400> 25014

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 acagaataat aaacatcatg gggcaagcct cacggctcgt cctcctcgcc gtcgtggcgc 120
 tgctgtccgc cggcctctc cgcaggcgc tgggtaaggg taggggaggc aggggacacg 180

gtggcgccgt caaccgcag gtcgccggca tctgctctcg caccgccgttc ccggaggtgt 240
gcacgtccac cgccgggcgg cacgcgtcca agtaccgcgt catcgacaac ctggccgtgc 300
tgaacatgca ggtggacgcg ttcgccaagc gcaccgcgca ggcgcgcaag cacgtcgcca 360
ggtcggcccc caccatcccc ccgcagcaga cgcangcgct cacgttctgc gacaccatgt 420
acatgaacac 430

<210> 25015
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-D5
<400> 25015

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tcataggagt ggtgagactg aggacacttt cattgctgat ctggcagttg gtttgtccac 120
gggtcagatt aagactggag caccctgcag atcagagcgt cttgccaaat acaaccagct 180
tcttaggatt gaagaagagc ttggcgctat tgctgtctac gcaggtgccca aattccgtgc 240
acctgtggag ccctactaaa cgggcgggat gcaagtgttt ttatgtctgc acaagtcttg 300
tgaaactgtc tactgcgacc tgcagatddd actctttag tagccctgagt agattctagc 360
aataatatcc aacatgaaac atgttac 387

<210> 25016
<211> 359
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-D6
<400> 25016

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cagcgcgtca cgctcgacct catcaccgag gcgtccggca ccatgtccgc aggcacgcgc 120
ctgccaccct ccaacgcgcg agcgcctctc tacggcgcgg cggcgccctc cgggggctcc 180
gccgatgccc ccgcgggcgc ctccgagggc cctgcgagcg ccagcggccc gtctggtgac 240
gacgcgcgcg cgctccgtgc tgggtccagc gcgtcggtg ctgatgcttc cgcggctgaa 300

catgcaatgc gacccgtcta gcccagccaa ccgcatcagg cgcgcaatgc acgtctcga 359

<210> 25017

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D7

<400> 25017

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cgcggcgacg cagtcaggg cgcgccagga agcaccggac ccggcgccgg cggcccgacc 120

agaaccaatc cagggggtc cgcggccgcc cgtggggcag gtgggcccgc aggatccggg 180

acccgggtcaa gggcgctccg gtttggttgg gaactttccc ttcggccgag gccgcgcggc 240

gcgcttataa ccacgcg 257

<210> 25018

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D8

<400> 25018

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ccgccggcct cctcccgag gcgctgggta agggtagggg aggcagggga cacggtggcg 180

ccgtcaaccc gcaggtcgcc ggcattctgt ctgcacccc gttcccgag gtgtgcacgt 240

gcaccgcggg gcggcacgag tccaagtacc cggatcatcga caacctggcc gtgctgaaca 300

tgcaggtgga cgcgttcgcc aagcgcaccg tgcattgcgc caagcacgtc gcgaggtcgg 360

cccgaccc 368

<210> 25019

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D9

<400> 25019

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ggcgcccggg gacaggccca acacggatgg catccacatg ggcgactcat ccgggatcac 120
catcaccaac accgtcattg gcgtcggcga cgactgcata tccatcggcc ccgggacctc 180
caaggtgaac atcaccggcg tgacctgcgg ccctggccac ggcatcagca tcggaagcct 240
agggcggtac aaggacgaga aggacgtcac ggacatcaac gtcaaggatt gcactcttaa 300
gaagacgatg ttcggcgtcc gcatcaaggc gtacgaggac gccgcctccg tgctcaccgt 360
ctccaagatc cactacgaga atatcaagat ggaggactca gccaacccca tct 413

<210> 25020

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E1

<400> 25020

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tttatgtatc cataactaaag agtactttct gaggagtact tcatagattt tttttttaat 180
tgccttgttt gccttcagtt tccttaattt tcatggttta catggatgtg tgtgtagggg 240
ctatatattgt gtatatacac gtgggt 266

<210> 25021

<211> 196

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E10

<400> 25021

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catattgtga ttgttcacgt atacaggttt gaatttagct ttgatatgaa taatgagaac 120
caagtgtgta tgaatggaga aggggtgtaa ccggatcgga tacgaacgaa tattgcttgt 180
accatattta tttcat 196

<210> 25022
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E11

<400> 25022

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 caacatccac atcaacgaca tcgtctcctc caacaaggac ggcggttacg tccgcgactc 180
 gccggaccac ttcggctggc gcaccgtctc cgacggcgac ggcataccg tcttcggctc 240
 caccaacgtg tggctggacc acctctccct ctccaactgc caggacggcc tcatcgacgt 300
 catcgccaag tccactggcg tcaccatctc caactgccac ctcaccaacc acaacgacgt 360
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<210> 25023
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-E2

<400> 25023

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 tgcttgccat tgtgctcgtc gtcgcttgga tctccggcat ggtggtcgcc gcctcatcgt 240
 cgggtgagca ggtgtcctac cgtggcgact ggatccgcgt ccagcccgtg cccggtgcct 300
 tcgtcgtaa cttcggccac atcttgtagc tcacatttct catgtttttg aatatgtata 360
 caaatataaa tgttgagtt accctttcac tgacatggtt gatagacaga tttacctcat 420
 a 421

<210> 25024

<211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E3

 <400> 25024

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 caagagcaca tatgagtcaa tcaccaatgg aaatcctacg tggaatgagc tgccagtctc 180
 aacaagcact ctctaccctt gggatccatc atctacatac atgcatgagc caccttactt 240
 caaggatatac aaaatgagta ctgctggccc gcggtctgtg aaggatgcat attgcctttc 300
 gaatttttgt gacagcatca caaccgatca catctcacct gccggaaaca ttcaccaga 360
 cagcccatct gcaaaatata tgaaggagcg tggcggtgaa aggaaggact tcaactcata 420
 tggtag 426

<210> 25025
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E4

 <400> 25025

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 gccgccacga accggttcaa cgccggacgtg ctgagggcca cgacgcggcg ggcgctggcg 120
 aggtacgatg gcccgatgat ggcgaccaac cccatcgacc ggtgctggcg ctgacgcgcc 180
 gactgggcga cggaccggaa gcggctggcg cagtgcgcgc gcgggttcgg ccacaggagc 240
 gtcagcgcg cgcccgcaa gctgtacgtg gtgagggacc cgagcgacga ctagatgatc 300
 atcccgcgga agggcacgct gcggcacgcg gtgatccagg accggccgct gtggatcggtg 360
 atcgcgcaga tcacgtgca gaacgtgcag aacgtgatcc tgcacaatc 409

<210> 25026
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E6

<400> 25026

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cgaggacggt tgtgctggta aggcggcgcc ggcgaagaag cgggagcgga gcagcgaggg 180
gaagcaccgc acgtaccgcg gcgtgcggat gcgggctggg ggcaagtggg tgtcagagat 240
ccgcgagccg cgcaagaagt cgcgcatatg gtcgggcacg tccccgaccg ccgagatggc 300
cgcgcgcgcc cagcagccg ccgcgctcgc catcaagggc cgcgccacgc gaagtccccg 360
ccacaagagc ggcagctggt cgacttgccg gacctgctcc tcgacgtccg ggacgggttc 420
gggcgc 426

<210> 25027

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D11

<400> 25027

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tgcctgaggg tagacaaata ctgagctagc cttcagaaaa aaaaagaaaa gaaagagatt 120
gagaagcagg gagaaaaaat ggactggcc cattgaggaa gcttgagaac cagttaacaa 180
gaattgccaa catattcttg gacaatcttg ttaacagagt ttaagggtt cccagcagac 240
atctttcgag tccaggaaga gcgctgcaa ccaccacatt catataatta ataagcaagg 300
tttagagaag aggcaacatg ggcacaaaga tgaagaaggg gatcctgaag ccgttccgct 360
atatctcaac catcatggat ggtaaggagg ctgaaatgca aattgggttc ccgac 415

<210> 25028

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-B6

<400> 25028

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tcggtgacgg cgcacgggcg caccgacccc aacatgaagt ccgggctcgt catccagaac 120
tgccgcctgg tgcccacca gaagctgttc ccggaccgct tcaagatccc ctcgtaacctg 180
ggccgcccct ggaaggagtt ctgcgcctc gtcatcatgg agagcaccat cgccgacttc 240
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gccgagtaca acaaccgcg gcccggcgcc ggcaccagca agagggtcaa ctggcccggc 360
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<210> 25029

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B7

<400> 25029

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aacttatgca ttgaggacag caccataagt gtcagccatg aagccatctc cctgaaaagc 180
gggtgggaca ggtatggcat ttccttcggg aggcctacct ccgacattcg catcagcaga 240
gtggacctgc tatcatcttc cggagccgct cttgcattcg ggagtgagat gtctggtggt 300
atctcagaca ttcattgtaa ccacctccgg atccacgact cctccaaagg tattttctttc 360
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<210> 25030

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B8

<400> 25030

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cctcccaagg ctctctgaga gcagccgcgg cggcgggcgcc cgtgcgtcct cctcagcttc 180
tcggcagcgc gcgaccgctt cctccggggc cggttcctct cggcgggcct gcgccccttc 240
tctgtccgcc tcccctcgcc ggccggcacc agcaccgtcg tccacctctg ggcgcggggc 300
cggtcgcgcg ggcggcccgt gtcctcctc cacggcttcg gcgcgtcggc gacgtggcag 360
tgggccccgt acctccgcag cctcctcgcg gccggcctcg accccatcgt cccggac 417

<210> 25031

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B9

<400> 25031

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cctgtaccag cagctcgctt tcaaggccgc cgcctccgtc tactcccgtt tcctcgcgct 240
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ccgccagatc ggggtctccc cgcgcaaggc gtcctacctt cagcacctcg cccgcaagta 360
tgcctcaggg atcctctcgg acgcctcgat cgtcaacatg gacgaccgct ccc 413

<210> 25032

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C10

<400> 25032

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gatgaaatta tctcaacac tgactaactc catgtcaaaa gaagaaaagc ataattctgg 180
gtacatgtac aaaaaattg ctcagctact gattaaat gtagcttaag aaactaggct 240
gtaatcattt cctctcactc agaagagcct ctgtatgtgt cgatcatgct gggtcaggga 300

ctaacgagtg caagaataac aaggctgctc aacaacacca gcagcattcc cagggagttc 360
ataaacatgg cttctgtgga gaagcgctca atcattttgg cgctctgcat aaagattgac 420

<210> 25033
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C11

<400> 25033

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cggggccgga ggtcgacagg cagcaactaa ctaccgtgac catcgtcacc gttgtgggtgg 180
ttcttcgccc tccgtgcctt cttccccctg tccgatagcc gacgccggtg cgagatctac 240
tcccccccat cctcgcttca acgagcacct ttctttaatc ggtagatgg tgcgcttacc 300
tcgtcctcag ttgctataat gggctccaag tgatgggagg catgaaacat gctgaagtga 360
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<210> 25034
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C2

<400> 25034

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cccaatcaga atcaggggtg gtaggcggag gaaggaaggg gaaaggcgac gagctggtga 120
cgacgaggag caactagcgt cgcgaagccg ccgagcccca ggcgaaagtca caggccgccc 180
cagcggtgcc ggcgcccacc cgatccgccc ccgcccgcga cctcgtgctc gcgcctccgg 240
tcggaaggag ggggtgtcaa acccatggag cagcctgccg ctcccgatcg gagcgatttt 300
cccgcggggg agtgcgaaatg gcgggaggag ctgcggcagc agcagtctca ggtggacgcg 360
ctgcgggagc ggctcgtgga 380

<210> 25035
 <211> 390
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 25035

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gctccggagt ccgaggggaa ggcagaggag gcaagcaggc cggatgggtg ccgctggtga 180
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gtccgcgtcc agcggctcct gcctgtccac 390
  
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<210> 25036
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C4

<400> 25036

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gccttccaaa aaagaagtag acataagata gatctctccg cctctcctcg cccaacctcc 120
tccaacaagt aacattgacc gcaaacggat catcgctcgg tgcggtcaat gtaattaact 180
aagctttctca atcatacata gcttggcaaa tgccctgaggg ctagctagac aaggtccggt 240
gagctagccc ctttgggaag aaggagagg aatggcgctg gtggcccgtt gagcgaggaa 300
gaggctattg agaaccggtt aacaagaatt gccagcagca tctggacaat cttgttaaca 360
gagttccaaa ggttcaattc caagcggata caatttccga gttggatcga gaagagtgcg 420
tgca 424
  
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<210> 25037
 <211> 404
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-C5

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cagggcggtc gccctctgcg tggctacggc atgcctcttc ctggcggccg gcatgccctc 180

gcctgtggcg gcgcaggacc cgtcgaagct gagcctgcag tactactcca agacgtgccc 240

caacgtggag cagtcgtcc ggacggagat ggagtgcgcg gtgcgcgccg acacgcgcaa 300

cgccngctc atgctccggc tccatttcca tgactgcttc gtgcaggtga tcagtcggtc 360

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<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C6

<400> 25038

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caaaattgag gtggacatga gatagatcta tgctgatctg ctacgagatc ctgattaaac 120

catatcatat tgaccgcaaa cagatcattg ctgcgcgga acaatgaaat taactaagct 180

tctcaatcat acatacctat ctaaattgcct gacgactttc tacactagct tctatgagct 240

aggacatddd gtaaaaatga agaagaatag agctggtggc actttttaact 290

<210> 25039

<211> 334

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 25039

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cttccaggct cccgtctcca tgggtctcct ctcaaacagg attgggaggg agagcctcaa 120
ggcgggggat catatctact cctggagggc ggcgtgggtc tacgcgcac acggaatata 180
tgtgggcat gataaggtga tccatttcac angaggaaga ggacaggagg tcggaacagg 240
aactgtcgtc gatattattc ttgtgagttc cccccaaaa cgaagcaaca cgccttgccc 300
ggtgtgcacc gacgaaacca gggacagcag caca 334

<210> 25040

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C8

<400> 25040

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gagcgggttg aggaggagcg cggcggcgcg ggtcgcttg cgcccgaca cggtttgcct 120
gtggctcgcg ctcggcgacg ccgtactgac gctcgcccag gctaagaagg acctgacgga 180
ggttaccctc caggtctact tcgacatcga gatcgacggt aagcccgag gccgattgt 240
catggtgctt tatgagaaga ctgttcctaa tactgtagag aacttccgag ctctttgcgc 300
aggagagaac ggggttgcca agagtggcaa agcccttcac tacatgggaa gtcagttcca 360
cagaatcatc ctcagcttca tgctccaagg aggtgacttc actctcgggg acgggag 417

<210> 25041

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C9

<400> 25041

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aataatccga tcccacagaa acttttctct cgggtccgttc gatcgatcgc tgccgtgtcg 180
tttgccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg 240
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tctccgcgag gaagccggcg ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc 360
cgtcgggtggc gccgtcgcg gcggtgttcg cctgccgggc cgcggcgctcg gggagc 416

<210> 25042

<211> 229

<212> DNA

<213> Zea mays

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<400> 25042

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tgccacacca aataaggctc cgcccttttc cgacattcac agggggggaca ggaaatcagc 120
ggccatggcc tcgattccgg cgacgacctt cggcggcatc ttattcggcc tcttctgtgc 180
cgcgggtggt gccgccgttg acaacgaact ttccgagtac gttattcaa 229

<210> 25043

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D10

<400> 25043

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gatcacatgg atgttgctcc aactttttta gcacacacag atatacaacg caaatacaca 180
ttgattgcct tctctggagg caattcacca cacgtgcgtt cctttagtta cccccaagag 240
gatggcaacg gcagcaaaa cggcagcaat tgtgcaagca acgtatcctg gtttctctcg 300
ttggatcatg atattctact ttgcaatgaa gtttgaaatg tagtaatgta ccattctgctt 360
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<210> 25044

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B5

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gggccagctt cggcagcaaa ccggcggccg gcgtgggcac cgtgcttggc cgggccatgg 120

aggacacgcg cgcgagctac tcgatgggcc aagggtcttg gcgcgggcac ttcggcgtga 180

cccacctgtg cacgcaccgg acgagcggcg agaaactggc gtgcaagacg atcgcgaaac 240

ggaagctggc ggccacggag gacatggaca acatgcgccg gaaggg 286

<210> 25045

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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ggggaggctt cccttgccac gtccggcaag tcggtcaagt ccctgtgcgc gccacccta 180

tacaaggagt cgtgcgagaa gacactgtcc caggccacca atggcaccga gaacccaag 240

gaggtgttcc acagcgtggc caaggtggcg ctggagtcgg tccagacggc ggtcgagcag 300

tccaagtcca tcggcgaggc caaggccagc gactccatga ccgagagcgc gcgcgaggac 360

tgcaagaagc tcctggagga cgccgncgac gacctgaggg gcatgctcga gatggccggc 420

ggcgacatca aggtgctggt cagccgggtcc gacg 454

<210> 25046

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H7

<400> 25046

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gcaggctttc agtagagtgg tcacggggtg atcaagctgg tagacgtgat ggcaacaaac 180

cagaagcaaa tactaagcca acaaggacac tgtttgtcat taactttgat ccaatgaaca 240
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 aagctactca tgctaccacc cttttggaca ggggtgatttc tgttgagtac gccttcaggg 420
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<210> 25047

<211> 52

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H8

<400> 25047

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<210> 25048

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H9

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 gaaggccgtc gaggtagcca aggattgtac atgggttgta tgaaatcagg gatggtcata 180
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 aacataaata gtgcgtcact gcagagttat gcacacgatg atatatcagt aggttcatgg 360
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 caa 423

<210> 25049

<211> 353

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A1

<400> 25049

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caactaatgc acctatgacg cgacatcttc ttggatttcc atcaggttct ggatatatgt 180
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ggcgctgtga atgtttctcc taacttcccc cgggatgaa gttctgtaaa ttgagttgct 300
gccggagatg tacagcccc cttcccaat taatccagaa ctttggaat aac 353

<210> 25050

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A10

<400> 25050

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gggccaatca ctcgggcccc tgccagagat cttaacttcg tcatgctact gaagaatgag 180
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gagttttgtt ttacgttagc tttagctact ctggaacacg cgcaaatacag cgttgtcttc 360
gtgtattcag aactccacc tcgagtaata gattagattg atcgcatctt gttctt 416

<210> 25051

<211> 99

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A11

<400> 25051

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<210> 25052
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A2

<400> 25052

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caccgcgctc gacaccgact tcttccggaa gcgagggtc ggcagcaccg tgtggaactc 180
cggtccctc cgcacgcaa tccagtggct gcgagacctc aagccatcgc tctgcagctc 240
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cgggtgggaac gactacaacg cccc 324
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<210> 25053
 <211> 371
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A3

<400> 25053

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caggcttgc agagccttta ataaggctcc tgaccggact tttttccatt aaactggtgc 300
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tagccaacct t 371
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<210> 25054
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A4

<400> 25054

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gctgttgttt gttcgtctga acagccacct ctgcgccctc ttggtagctc tgctggtgat 180

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ttctttgggc ttctaacaaa atactgtgtc agtaagtttg aaagtatcca acagatgttt 360

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<210> 25055

<211> 118

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A5

<400> 25055

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aaaaaaaaaga aaagaggcat atcaaaaagg cttaccaatt taaaagggcc ctctctttt 118

<210> 25056

<211> 190

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A6

<400> 25056

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tgctggggac 190

<210> 25057

<211> 54

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A7

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<210> 25058

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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tcctatcgat tcttctctac tgaaaagggt ttatttggat gtattttcag tagtagttat 180

tgtacttggt ggtgctctgg catgttacgg tgcagtgtta ttctcgaaga tgagcaaagt 240

tcgttctgaa actgtatcaa ctgagaagtg gaagggtgcc agtttagctg ctgtctcgct 300

gatctgtttc tcgtcttctg ctatacttgc acttgtgact aatgttccag tgcttttgta 360

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cat 423

<210> 25059

<211> 408

<212> DNA

<213> Zea mays

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<400> 25059

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tgtaaaacaa tgaaactgga aaccggcaat ggaaagcgtg agttccaggc tgagggttgag 120

attatcagcc gagtacatca caaacatctt gtgtcttttg ttggctattg catttctgga 180

ggcaagaggt tgcttgtcta tgagttcgtc cccaacaaca cattggaatt ccacttacat 240

gggaacgata gaccaacaat ggagtggccc actagattaa agatcgctct ggggtgctgcc 300

aagggttttag cttatcttca tgaagactgc catccaaaga tcatccaccg cgacattaac 360
gcataaaca ttcttcttga cttcaaattt gaagctatgg ttgctgac 408

<210> 25060
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B10

<400> 25060

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tcgaacgcca ggttccttgg accactatat ccaggagcga cgaagtgatc caccgccag 120
ccatggagat gaagaaggtc ctctgcgccg cctctgctgc cgccgcctcg gccaccgccg 180
tgctggcctc ggtcgcctcc gaggcgccct ccgaggcgcc cgccggcgcg gccggtggtg 240
cggctggccc tagcgcaagc ggcgccgccg tcgccgccgt gcccgccgcc ggggcgctcg 300
tcgcctcctt cctcgcctac tacctccact gagcgacgac gcgcggtgcg gcaacgttgg 360
gatgcatcgt gtttggttca tccgattaat taattgtttt ttttatttac 410

<210> 25061
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B11

<400> 25061

cggacgcgtg ggcagaaacc ggcgtcggcg atagtgtcaa agctggagca gatcgtgga 60
gacagagcgc ttcatggtga agaaacagga cggctctggtg aagctgcagg ggtccaagca 120
agggaggaag gggctgctcg cgatcgacgc cgagatcttc gaggtgactc cggcctttca 180
cgtcatctag gtgaagaagt cggcaggcga cacgctggag tatgagatgt tctgcagcat 240
gggcctaaga ccttcactca gcgacatctg ctggagcadc cgatctgagg agaacatggc 300
tccttcagtg gttcagccat cacaattgga gccattctat tagaccgtct acgacagttg 360
actcaccctt cttagtcgat tgatattcaa gtgcagtctc ttccggagatg caatta 416

<210> 25062

<211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B2

 <400> 25062

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 ctgcaccgtg catggtgaga aggcaaagtc aaaggacaac gattcaaaag cgtccggggc 120
 cgggtgggtcc ttcgacatca ccaagttggg cgcctctggc aatggcaaga cggatagcac 180
 gaaggctgtg caggaggcgt gggcatcggc gtgcggcggc accgggaagc agacgatcct 240
 catccccaag ggcgacttcc tcgtcggacc actcaacttc acaggcccat gcaagggcga 300
 cgtgaccatc caggtgaatg gcaatctgct ggcgaccacg gacctaagcc agtacaagga 360
 tcatggtaat tggatcgaga ttctacgcgt ggac 394

<210> 25063
 <211> 78
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B3

 <400> 25063

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 ctacgccttc ttcggcgt 78

<210> 25064
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B4

 <400> 25064

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 tgtggcggat ctttaattaa tttcttcttt atttttcatt ctggtgaata aataggtccc 120
 aaagagagag ataaaaggag aaggaaagga gacgtggcag catggccacg ttagtgattt 180
 tttgttcggt gatttttttt tgtaagctat atatagatag agagtagtca tttttaagtt 240

attaattata tagttgcaaa tgcgcacggt aatggatatgc tgggacgccg acgccgaatt 300
 gtcgacggtc atggtttgaa cagcagcggc tttcaaagat agaatttctc catgtatgta 360
 tgtatgatcc gaaagttggg tggcagtttc agtgaatgga cagtgatatt tttt 414

<210> 25065

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G10

<400> 25065

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 atatggatgt tgggagaata ttcacaggac atgcatgatg ctccatacat ccgtctaaag 120
 tcttgagtga aactgatatg aaaagcactt tactgaggtt cgcttgcatc tgctgactca 180
 gagatgaaat gtgtctttaa aagaccctca gagacacata atgcactagg ctatacatta 240
 tcagttggtc tatctgacac ccatcaagat gtcatgaca gagacactat gtactatagg 300
 ctgactcaat acagccctaa tgtagcagat catgtatata acgctctgaa acaagctggc 360
 tctttatatt 369

<210> 25066

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G11

<400> 25066

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 agtgcagcca cgacgtggag gcgtgctacc cgccgggggc agcggggcgc ggcaagtacc 180
 cgtacatgac ggagaacccg cagctgcggt gggccttcat ccgcaagggtg tacgtgatcg 240
 tgtgcctgca gctgctgctg acggtggccg tcgccgcgac ggtgaacctg gtgcgcgcga 300
 tcggggactt cttcctctcc cgcaccatgg gcgccatgtt cgccatcctc ggcgtcatca 360
 tcgcccccat cctcgtgatg atcccgatga tcattttaccg gaagcggcac ccggtgaacc 420

<210> 25067
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G12

 <400> 25067

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acctcctgga ggaacaagag cagcagcagc ttcaccgcgc ggatcatccg ttgtgcgtcc  180
tccgtcgttg acacacacca ccagcaccgt ggtgatgatg atgacgacga tggcgatgaa  240
gacgacgagt acgacgactg tcgtctaccg tcgtcgcctc ctaacaacaa cgctagaaga  300
aacaccacca ccaactgctgt catctcggcc cgagccttct ccttcgcgca gctagccgat  360
gccgcaggaa acttccgnca ggacaacctc atcgg                                     395
  
```

<210> 25068
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-G2

 <400> 25068

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cccacgcgtc cgttctcttt cactaaagga tagatgtggc ctcacgacca gatgaagcgg   60
ccgtgatgaa gactatgccc gtcggagatc aagcgaagcc actacgtccc cggctcgtctg  120
atgaagactc ttcggtcttc cctcagaga tcaagagaag ccactaggtg aactgtgctg  180
agaagcaaag tcaaacaaga aataaggaga aactggctca ttcacaagac atggagttct  240
gtctatgaag actgtgtaga cactacacag aaccatatag catgaaatgg aaagcaaata  300
actgaaccac ctttaaatgg aaaaactatt ataatcaaac tagtcaaggg tgttttagac  360
tttgggtatg ccattatgaa ggtgacgacc totataaata tcccctaaat atattgctca  420
tagatattga atcaatcccc aatagagctt attcttgca                                     459
  
```

<210> 25069
 <211> 463
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G4

<400> 25069

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 ttaggattttg gatttggttggatt tggattttgga tcgggtgtgt ttctctgcgta accatgagcgc 120
 agatcatgaa gctaaagcgt gggatcagca ccaaaccagg agaccacctc gtccaaaatg 180
 gccaaacaaca tccatgtcac gaatgggagg agcaacagcg ctactggccc tcgccgcggg 240
 cgccgcgggc gagcccgacg gagtcgcccga ggaccccagg cgggagccag aagaaggcgg 300
 ttctggggcaa ggtgaagagc aaggccaaga aatggatgca catgctgcat cacangaaga 360
 aaccgcgcgc accggaggag atgatgtgga cccccagggc cgggcctgga cccagcgcgg 420
 cacangacag catgcccagc agggaggagc gacacgccgt cga 463

<210> 25070
 <211> 460
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G5

<400> 25070

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 atccacatcg gcgactccag caacgtgacc atcagcagca ccaccatcg cgtcggcgac 120
 gactgcatct ccatcgggcc cgggagcaag atgatccgca tccatggcgt caagtgcggc 180
 ccaggccaag gcatcagcgt cggcagcctg gggcgctaca aggacgagaa ggacgtggaa 240
 gacgtgcagg tgacgggggtg cacgatcgcc ggcaccacga acggcctgcg catcaagtgc 300
 tacgaggact ccaagtcgtc gctcaaggcc agcaagttcc tgtacgaggg catcaccatg 360
 gacaatgtct cctaccccat catcatcgac cagaagtact gcccacaaca catctgcgtc 420
 aagtccggcg cctncaaggt ggccgtcaac gacgtcgtct 460

<210> 25071
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G6

<400> 25071

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cgcgaggagc ctgcaggccg aggacgcctc gcctccggac ggtgggtgat gacgcggtct  180
ggtctggtag gctgcggacc gagggagagc ggggtgtgcct tctcgcccc ttggtgtgct  240
gaactgctga tacgatacga ggagcaggac aggagtacgg agaactacta ctacctacgg  300
ctatgggcga tggctttact cgcgcctccc ggtgtgtccc gagatttttt ttcggggaca  360
cgtacgaatt atgtaacgga gttcgtttcg ccgtgccaca cgcacgagcg gtgtccgata  420
cacctataga aaacgacttt ccatattgcg agttgtgtga t                               461
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<210> 25072
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G7

<400> 25072

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ggagggccgc cccttcgtcg gcgcccagag cggctgcggc tcgggcagcg gacgacgagg  180
tgccctacat gcgcggctgc ttcgaccact tcgtcgggtc ccgggactcg gagtcgctgt  240
acatgatcgc gccgcagggc ggcggcacgg gcccgagcgt ggccgtcttc ttcgtcaggc  300
tctgacctcc gatccgatcc gccccgcgcc ttgcctctag ctatctcttc gccccatgc  360
atgcgaagac ggcccaaccg cccaagggca tccattaacc gccacgacgc cacgtacata  420
aacatcgta gcattcattg gatggtgcaa cct                               453
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<210> 25073
 <211> 399

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G9

<400> 25073

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 tcccaaagtc cccccaggca agaacatcac ggccacctat ggcaaggact ggctggacgc 180
 taaagcgaca tggatatggca agccgacggg tgccgggtccc gacgacaacg gtggtggctg 240
 cgggtacaag gacgtgaaca agccccctt caatagcatg ggcgcatgcg gcaacatccc 300
 catcttcaag gatggtctgg gttgtgggtc ctgcttcgag atcaagtgcg ataagcctgt 360
 ggagtgtctc ggcaagcccc tgggtgtgca catcacgga 399

<210> 25074
 <211> 205
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H1

<400> 25074

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 tattgtttgt caagcacttt gtttcttctc ttctgtttgt agcctactat atccactgaa 180
 atctaagggg cctgtattgt ttgtc 205

<210> 25075
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H11

<400> 25075

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 cagatggccg gcttcaggat gaagtctgtc gccgtcgacg tcatggccgc cgcgctcgtg 180

gcgtccgccg cagccgccga ggcccacgcc cgggcccccg acttcgacgc cgcggacgtc 240
 gggcccccttg ccgcggccct actcgtcgtc ggcgtcttca gctacctctt ctgctagaac 300
 cgcgctggac gcgtggtttg tgcttgattt gtgattcgac tggcgcgagt 350

<210> 25076
 <211> 209
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-H12
 <400> 25076

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 taggctcata tatagagcct gagcgggtcaa ataaaaaccc gattctatag caactctaca 120
 cactcgaaca tggccggtct aaggattaac aacgaaatcg tcatcgtaat aggcaactaa 180
 ctactaatat aaatgggatg catttaaatt 209

<210> 25077
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-H2
 <400> 25077

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 gccagagtct attttgggtg gctgaaagat gggacgaaat ctgcagtga gaagcttgac 120
 tccagcaaac agcctgatca agaattcctt gtgcagggtt cagctgtctc aaggttgaaa 180
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 ggagcccagc cagggccagt cctgtcatgg atgcagcgag ctaggattgc cgtatgtgct 360
 gctcgaggtc tcgagtttct ccacgagaag gccgatactc gagtgggtcca ccgagacatc 420
 aagtcaagca acatactgct ctttgaccat gatgttgcca 460

<210> 25078
 <211> 374

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-H4

<400> 25078

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gactacctgg tcggccctct caacttcact gggccatgca aggggagcaa catcgccatc 180
cagctggatg gcaacctgct gggatcaaac gacctggaca agtacacggc gagctggatc 240
gaattgtctc acgttaacaa catcgggata accggctcgg gcacgctgga cggccagggg 300
accgncgttt atagcaggag caagaccgac aacgtgaagg cgatgcccaa cacactggtt 360
gctgttcacg tgat 374
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<210> 25079
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-F9

<400> 25079

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ggtacaagga cgggttcggg gactcgggcg ggctggagaa ccagtcggtg caagagctgg 300
agcactacgc ggcgtacaag gccgaagaga ccaoggacgc 340
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<210> 25080
 <211> 257
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-E4

<400> 25080

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 cgacacgtct gatctgaatt acagacacac agaccattca attttcccc accgogaacg 180
 ctgcgctctgc aaagcacttc aactacaacg aacacatgtg tcttcgatcg aactactata 240
 agactagaac agcgccg 257

<210> 25081
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-E6

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 gattgtggcg ctggccctgg tggccctgct ggtgggtggcg gcggcggcgc ccgtggccac 180
 cgcgtacggc tgctacgacg actgctacga gcgctgcgcc aacggcaaga aagaccccg 240
 ctgcaccaag atgtgcaacc aggcgtgcgg ctccacggat cagggcgccg gtgccgccc 300
 cgccgcggcg gcttgatcgc ccagcgcatt catcgcttca gctcgatata atcgctgctc 360
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<210> 25082
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E7

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 aggactgcac cggcactcgc ttagacgcatt gctcagcaat aggaggtagt gcacaggcca 180
 aacgactgct tggccacaga tgtgagatct atatagcacg taaatactcg acgacctgga 240

tgacatccaa gcttacacgt agaccttgct ccttcatcat gacacagagt cggtttctgg 300
 cgggtgcatta tacgggagca ttgctaagga gctcgggaac ctagtcagtc tcatgatgct 360
 cggttgagatg gactatgtag tgtcatgacc tatgcgatga gacatatata tttacgcaag 420
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<210> 25083

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-E8

<400> 25083

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 caccgcagct ggacaagcgt tccgtcgtag aggtgatcgt tgagatgacc ggcggcgggcg 180
 tggactacag cttecgagtgc atcggcggtgc cgtcgggtgat gaccgacgcc ttcagatgca 240
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 gcctgccgtc gctggagctg ctgttcggga ggtgcgtcat ggggtcgctc ttcggcgggc 360
 tgaagcccaa gaccacatt cncgtcctcg ccaagaaatg catggacaag gagctgcagc 420
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<210> 25084

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E9

<400> 25084

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 ctgcctctcc acggctcgga gcacccctc gtactcctgt tcttccgtct cctcgagtag 180
 gtgctccatc tcccgcacct cctcctgttc gtctccaca gttgggagct ccccttctta 240

ccccgttgc tctactcct cagttggagg atccctctag aggtcctatt cttcctcgac 300
cgccctctcaa ggggtgttcca ccttctactc ctccacttgt ggcaccacgg ttagggggcac 360
ccctcccatc cctcctggtt ccttcagctc ggaaaggcac ttcaacttct tcaa 414

<210> 25085

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F1

<400> 25085

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ttatgttatt actacttgac catacctgtc cgtatgttgt ttcaggaatt tacagagaatt 120
tacttagcag ggccttcgcc atcgttcctt gttccttgga gaattgactg ctttgcaaca 180
gatgtgagat agatttaaaa cttaaattac tccatgatct ggataacatc gaaacctaaa 240
cctaattctt ctcccttcat caacacacaa ggtcgggttc tggcaatgca ttatcaggaa 300
gtattgctaa ggagctgggg aaccttgta atctcataat cctgtaagaa atggactatg 360
tagtgtcatg acctatctga taagaaatat agatttacia aaaacgtgtc ctcaatttaa 420
ctcacgtgca tgtacatatt acaactattc aggtgtgtaa tca 463

<210> 25086

<211> 215

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F10

<400> 25086

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ggccgtacca ggtctatctg gcgatcggag cgcggacgac aagatgccac tcggcggcaa 120
gcccgcggct tcgtcgaagc cgaacccgtt cgactcggac tcggactcgg agtccagcaa 180
taagccggcg aacaagtccg gggcgtcatc atacc 215

<210> 25087

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F11

<400> 25087

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<210> 25088

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F12

<400> 25088

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agaagaacct tcaaatgccg atgacataag aggtgcttgc atataggagt gcaccaaaga 180
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gcctagcgaa gaaggcacac atgattgatg aagtaccact gcgataatat ataccctagt 300
gtgatcaatg gtcactcttg tagccatgtc tgccacacga tggactcgac tatattgtct 360
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<210> 25089

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F2

<400> 25089

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tcaagaacat cgacaaaata aagcaggtgg actgccctgt gttagtcata catggcacag 180

ccgacgacat cgtggacttg gctcacggca agcggctgtg ggagctagcc aaggacaagt 240

atgagccgct gtggatcaaa ggcggtgggc actgcaacct gcagacgtac ccggagtaca 300

tcaggcacac gcgcaagttc ataagcgcca tggagaagct ggccaaggac agcagcaagg 360

cggccaggc gccgccgccg tcgagcatgg ccgccgaaga aagacacacc aagtgttga 420

gattcgggaa gagatgagat gccggcgacc tggacct 457

<210> 25090

<211> 463

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-F3

<400> 25090

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gtggcgggcg tcgtggcggc gcgccagggg atggagacgc cgctgacggc ggtggccgag 240

gcgttcgagg agctggtgcg cgggatggac gccgacggcg gcgagctccg cgtcgcgccc 300

ttcagcgaca cctgtgccct cgtctccgtg ctcttcagca gcctcgggat ggccttcagg 360

ttcgccgaga tggagtacgt caccaaagtg aacgatctca tcggtgccgg caagtcgtac 420

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<210> 25091

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 25091

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actcccgtct cctccagtag cccttccact cgcaagaagc gcggggcggt cagcctcttc 180

agggcgatgt tcctgtcctt cggccggagc gacgacagca tgaagaagac agacgacgac 240

accacgagcc ccaagaagag agccatcgcg gctgctgatg acgattgcaa gcctgccggg 300

gacgagtcaa cgtcgtggaa ggcctcgtg gacggtatgc gcccgctccg cctccgcggg 360

cagctggagt actaccgcc gncaccgncg tcaccgtcgc ttggccacgc cgatgtgtac 420

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<210> 25092

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F5

<400> 25092

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acccaaatga ccatgtgaat aggtcacaat cttcaaatga tacatttccc actgtaatgc 120

atatagcgac ggccgttgag atacattcga ggtttatccc aagtttgcaa cagttgcatg 180

attcacttca ttcgaaaact attgagttta aagacataat taaaattgga cgtacacata 240

ccaagatgc caccctattg actcttgccc aagaattcag tggctacact acacaggtca 300

aatatggaat tgaccgcatt aattgtacat tacctcggat gtaccagctt gcttaagggtg 360

gaactgcagt tggaactggc ttgaacacct ataaaggatt ttatg 405

<210> 25093

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F7

<400> 25093

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ccgcgacgac ggctgtgccc agcggcgggcg gctgtgcctt cgctgcttct gttcgccggt 120
 ctattcgcgg gccggggcggc ggcggcggttc ggccacctgc aaggcgccgg cgccggcgcg 180
 acggcgctgt acaagcacgc gtcgtttcttc gaccgcgacg gcgacggcgt cgtctccttc 240
 tcggagacgt acggcgcggt tcgggcactc ggggtttggat tcggcctgtc cagcgtcagc 300
 gctgcgctca tcaacggcgc tcttggtagc aagtgcagac ctcaaaatgc aacgtcatcg 360
 aagttggata tctacataga ggacatccag aaagggaaac atggaagcga ttcaggggtca 420
 tacgacgccg aaggaagggt tgttcct 447

<210> 25094
 <211> 462
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-F8
 <400> 25094

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 aatcactggg atgctcttgg agctcgacaa ctctgaagtg gtcacgttgc tttgctcgtc 120
 ggagatgttg tcgggtcaagg tcgacgagtg tgtccagctg ttgcaggcaa ccaagcctaa 180
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 aaatgccagt tgatgagggt ctgattgcgc ggatgagctt ctggatgcgc ttgtgttttag 300
 ggatatggta acaagctagt cgctagctgc tgtgttcggt ctctccttct agtttgcgaa 360
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 gtaataagga ctatatatat tcaggtagaa attttttatt tg 462

<210> 25095
 <211> 461
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-E3
 <400> 25095

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cgttcgacga catggcccggt ctggcgccg ggcgcgtgtt ggcgctacta gtggcggtcg 180
 cggcgaggagc cgcgttccta gcggtgccgg cctctgcgaa gtccggcgag ctgagcgaga 240
 tgggggttgct ggcggcgaat ggcggcagcg ggcggggccc gcagaagtgc tcgggcgcag 300
 agggcgagtg cgacgtggac gaggcggacg agctcgggct gagcggcggc agcctcggct 360
 ccgacgacgc tgtgcgggcg acgctggcgc agcggaagcc gaccaaccgg tacatcagct 420
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<210> 25096

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H4

<400> 25096

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 agttccccgg atgcgacaac acgctgcaga aggtgaaagt gacgtactgg gtggacggcg 240
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 cgcccgacga cgagaagcag cgggccgccg tgcccagccc cgagagcggc tgcgccaagt 360
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<210> 25097

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H5

<400> 25097

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 ccgacgccgg aggcgccac cgcggcgaac tacgcgtcgt tgtggtcgcc caagcgctc 180

atgcagcgcg ctgcccgcgc tttccgcccgc agcagggtcgc gcgcccgcgt caggacgggtc 240
aaggacctcg ccgaggaacg ggcctcagtg ctgcccgcga gcagcaaggt ctatgatgag 300
gcggcagcgcg cggctaccgc ggtgccgcct gcagggtgcca agacctccag cagcaacgat 360
gcccgcgacg gcgccatggg cagcgtgcag gacgagccgc ggcagcagcg ccacgatgac 420
tatcaccccg agatcgtccc cgaaaagatc a 451

<210> 25098

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H7

<400> 25098

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agggaaaaaac tcaaaaaaaaa ataaacataa actactctat aaacaaaact aacccaaact 120
tgcttttctg tctctagctt tagcttatct tgctcacttt tctctcctct tcttttaata 180
ccggtacaca cactcgtact tctaaaattg aaactctttc tctcttgtgg tgctgtgca 240
ccattcttgc ttgctttctt 260

<210> 25099

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H8

<400> 25099

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ccaggctaac caaccactg tccttcataa gctaggtggc cagttccacc tgagctccag 180
cttctctgaa ggtgtacggg cccgtaacat ctgcctttct ttctcatctt atgaaaggag 240
atttgccacg aggaactaca tgaccagag cctttggggc ctttcaatgt ctgtagcg 300
tggtcatcaat gttccagtga tgccgactcc gctttttgcc aatgctccag ccgagaaagg 360
tggtcaaaaac ttcattgattg atttcatgat gggcggtggt tcagctgctg tttcgaagac 420

tgcagctgct cccattgaac gagtgaagct gcttat

456

<210> 25100

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H9

<400> 25100

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tctttaaaaa gcatcccctc caatcttttc accaagcact ccttccactt ccactacaca 180

ccccaccaca aaaacaaact ctccctcacc tctctccaga tactgtccac cgtcaccaat 240

ctcaaagcca tcactatgct ctactgcctt caactactgc actcccacat cggctcccac 300

atccccacca ccagcctact ct 322

<210> 25101

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A1

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ctcgtggcca cggccatagc cgccgctccc ggcgttgggt ttgtcgtcac cggccgcac 120

tactgcgaca actgccgcgc cgggttcgag aaaaacgtgt cccacgccat ccaaggcgcg 180

acggtggaga tggagtgccg ccacttcgag tgcagcagg tccacgacaa ggcggaggcg 240

acgacgggcc ccggcggctg gtacaggatg gagatcagcg gcgaccacca ggacgagatc 300

tgcgacgtgc gcttgetcaa gagccccgag gcggactgcg ccgagatcga ccaactccgc 360

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<223> Clone ID: LIB3066-056-Q1-K1-A10

<400> 25102

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tgacccttg acagtgaac atggtggttg agaggctcgg tgactacctc gtagagcaag 180
gcctgtgatt gaatgcatcc aaacaacgac accaacgcca acattaatta attagtagtc 240
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ttttttcccc ctgttttata taattttatt gtatcgtttt ggcaaataat tttgtgattc 360
gaccccaaag caagtttggg tgtcttacga tttgtaaacc tggaacaata tataatgtga 420
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<210> 25103

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A11

<400> 25103

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gggacgttcg acgtgtcgtc gaggaccggc ggtccattcg gcacgatgaa gcatcagtcg 120
gaattggctc acggcgctaa cgcggggctg gacatcgctg tgctggctgct cgagccccatc 180
aaggaggagt tcccaatect ctcttacgcc gattttctacc agctcgcggg agttgtggcc 240
gtggaggtea ccggtgggcc tgagattccc ttccaccccg gtagggagga caagcctcaa 300
ccccacctg agggccgact tcctgacgcc actaagggtt ctgaccacct gaggcaagtt 360
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<210> 25104

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A12

<400> 25104

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aagacactca ctggcaagac aatcaccctt gaggtggagt cttcggatac cattgacaat 120
gtcaaggcca agatccagga caaggagggc atcccaccgg accagcagcg cctcatcttc 180
gccggcaagc agctggagga tggccgcacc ctggcggact acaacatcca gaaggagagc 240
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ggcaagacca tcaccttga ggtggagagc tctgacacca ttgacaatgt gaaggccaag 360
atccaggaca aggagggcat tccccagac cagcagcgtc tgatcttt 408

<210> 25105

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A3

<400> 25105

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aatataacct ctggcttaaa aattttgata ttttaagttg gaaattgttt aaccccataa 180
agtggaacat ttgaatgggc caatgttgaa atacctgtta ctagaccggy tttcagtga 240
aataaaattt caagtcctgc caacaaaaaa tatccccggg gtggaaattt atggccccca 300
taaactgcaa ctcatataac ggcttccaat ggcaatccta atttaaaaat tggccttcta 360
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<210> 25106

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A4

<400> 25106

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cctgccggac atgacgcggc tcatgcaggt ggcggtggac tgcgtcgaga cggacctgga 360
gaagcggccg gagatgaaag aggcgttggt gagggg 396

<210> 25107
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A5

<400> 25107

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<210> 25108
<211> 478
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A6

<400> 25108

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tcagcacata accaagagat tccagatcat ctcttctgct ttgctctgta aggaaatgaa 420
gaaagggttaa cccaaattca tctattaagg catccagatt tgtggatgaa tatagtct 478

<210> 25109
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-A7
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tggcgctgct gctctgtcgg aggtccgcgc ctgtgcgagc gtccgactca gcggtcacta 180
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<210> 25110
<211> 480
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-056-Q1-K1-A8
<400> 25110

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gaacatcaact ggcacctcct ccaccccgga ggccattagc ctgctctgca ctgccaagggt 180
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tgcattgcat attagttgct atccattggg aacgcacaac agtaaaacga canacatnca 420

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<210> 25111

<211> 488

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H3

<400> 25111

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ctcttcgcnc tctcaaacgg cccctcaagc cgccaagaaa tggannggag ggcngccacg 180

agccgcgagg aacctgtcag gtgcannngc ggtgccgggc cgccgtctgg aaaccggctg 240

gcgaactgct ncagcaccgg cgaacgatnn gccgagtggg agggacccat gtcggttgaa 300

gaagggatcc cctggtnncg attacatnnn gcttcggatg ggtcctaact acannattcc 360

gncacccan nagctcnnngc tgagactnnn tctggtattc aaggaccctt cgttgatant 420

tgatgggtct ttctcgatgc cgaaaaagag tnaattggat tcttcttcag aaaataatga 480

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<210> 25112

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-G1

<400> 25112

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agcgtgccgc ggagggttcg tgtgaggatc gcccgcaaga ggaacgatga ggaggatgcc 180

aaggaggaac tctactccct tgtcaccgtc gcggagatcc ctgccgaggg cttgaaaggg 240

ctggggacca aggtcgttga cgaaaccgat taagctgtcg cgttctccac atcttttagag 300

agttcctagt ttgtatttgc aacagcaaaa ccttttgtat ccaaagaagt ttttgtattc 360

acaaagttgt ctatttctgn cacagaattg catggctagt tttcttttca tctctgccac 420
atccttttct tc 432

<210> 25113
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-G10

<400> 25113

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ccagatttaa aaaaacacag aaatctgctg gtgtccttga acagggaaat gttgctctgg 120
atgttgctcg cattcttcta cgctgtanag ctgagttggc tactacagac attactgatt 180
atgcattgga tgctctacgt ggcagcacga taaggaacgt atatttggtt gagcgaccgn 240
gtccagtaca gggcaacttg cacagcaaac gagctgcgtg aaattttaag tttgaaaaat 300
gtccgtatatt gcatcaaggc agctgatctc gtgaccacac ctgcggacga ggaggagatg 360
aggaatagta gaatacatag aagagtttat gaattgttgt caaaaactgc gcatggcggc 420
aacaattaca atggccaaaa ggagcttcat tttgtgttt 459

<210> 25114
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G12

<400> 25114

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ggctggccaa agagaaggct ttcgcgggcg agaacgtcgt acagcatgag atgctcaagt 120
tcgccaagga gtatggtctg gagtctctgt ccaacggcac ggagtgttac aggggcatcg 180
cccgaggatt cgtggacgcc cacaacgagc tccgcgcgcg ctacggcgtg ccgaccatga 240
agtgggacta ccagctgggtg cggcaagcgc ggcgctggtc caacgccatg cgcaaggact 300
gccagatcct acacagcggg cactagtacg gcgagagcgt gttcaggagc tactacgact 360

ggaacgccac cgccagggag gccgttttat ggtggggcaa 400

<210> 25115
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G2

<400> 25115

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gccacgggtt ctcagactca tgggcgccat gcgcactgcc atcagcttga tcgtgatggg 120
attcgtccgc ttctttatca agctcatgat gatccacatc aacagacatc atcgacgaat 180
tctgctgatt catgaccgtc actgactaac gagtggacaa cgtcatctgc ctcttgaccg 240
cgcacctcta gcataccgaa tgcactgtgt tgatgtgaac gactagtccc aggggtctacc 300
tgggtactctc tcgtgcctga tgtcgaatat tcatatgtga agaagattca cttagatggt 360
accatgtgca aacagaattg catggctagt tttcttttc 399

<210> 25116
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G3

<400> 25116

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gtgaatcatc ccctcgatcg gcggggacgg ggccagggca tgaggcggcg gcgacccgac 120
tcctgccag ctgattatac atccgtttac ctggtattgg cataaggaga cccttggtatg 180
cgtgtaatgt ttgtttgcag ttctgataag gtgtgcaaga aggtcatgc tactgggagc 240
aatgcttgta tctcagtttt gcttctgcgg gttttttatc cacaattac attgttctcg 300
ttgatcacat ttccataaaa ccatttatca gtaggtcacc atgtagagca aaagaagata 360
agaaaaagt gttcaacaa aaa 383

<210> 25117
<211> 160
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G4

<400> 25117

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ggcacgtcct ccgtttcacg gtaaggccgc ttccagtcca tcagccagcg cccgaagtct 120

tgggagtcgg gactttcttc gttccttaac ttcttctgcc 160

<210> 25118

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G5

<400> 25118

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ccgcgaggct caagatcggc gaagagttcc tcaaggccaa gtgcctgatg aactgcgagg 120

tggcgatcat cctggagcac aagtaagagc agatccagca gcacgcgtcg tcggagtcgg 180

acccgtcgtc gcaggtgtcg caggtgttcg agaagtcgct gcagtaagtg aagcgcttca 240

gccgctacaa gaaccccgac gccgtgcgcc aggtccgcga gacgctgagc cgctacggcc 300

tcgccgagtt cgagctctgc acgtcggca acctctgcc cgacaccagc ggcgaggcca 360

ccgcgctcgt cccctccctc aagtccggcg gcaggttcgt cggcgacccc ggggacgaga 420

agatcgagaa gatgctcaac ga 442

<210> 25119

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G6

<400> 25119

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ggtactatct taggttctcg gaatagtcac tgacagcaca atgcctatta tactagccag 120

tttcaatcat tccagactcc acatactagc ctactcagca gataacg 167

<210> 25120
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G7

 <400> 25120

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 ggctgatggc ggccgtcatc acggagctgg tcaacatgtt cgccaccgtg ctgtccatcg 120
 tgtgcgtgga ccgcctgggc cgtcgcgcgc tgttcctgca gggcggcacg cagatgttcg 180
 tctcccagat cgtggtgggc acagctcgat cgcgctccag atcggcacct gcatcgttgg 240
 cgagatgtcc cgctccaacg cctgtctgct ggtgctcttc atctgcctgt acgttgccag 300
 gttcgctggt tactggaggg cgttgatctg gctcg 335

<210> 25121
 <211> 105
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G8

 <400> 25121

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 aaaaccattt ccttgaaacc taacgggcaa ttgaaaatga ccccc 105

<210> 25122
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G9

 <400> 25122

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 cgtggccgcc gacgcagcgc acgcgggacg cgttggtgcg gcgcctcgtg gagacgctcg 120
 cgggggacac catcctctgc aagcgctacg gcgccgtgcc ggccgcccgc gccgagcccc 180
 cggcgcgcgc catcgaggcc gaggccttcg acgccgtggc cgccgcggga ggccgcgccg 240

ccttcgtgga ggaggggatc gaggcgctgc agtcctac

278

<210> 25123

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H1

<400> 25123

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ggcctcgcttc ttgatggggc gcagacctgg gcgtcgcgca gccgcctctc ccacgtggcg 120
acgttgcggg agcagtgcgg gagacgacat caggagtgcg gaaggtggag gggaatcaac 180
cactgcattg gtgtagattg gcgggcaacc tgtccgggct gccatcgctg gacggcgacc 240
aaatctaggc agcgcgggtg ttggtggcct ccaacgaggc ctctcctcga ctgacgtggt 300
ggacgcgaca gccatcgagc gcanggtgga gataatggtg ttctcgaaga tcctcgctgc 360
gcgcagcaca catagttaat ctaatctcgg gacacgcgga ccgttcgagc ccaagggcc 419

<210> 25124

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H10

<400> 25124

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cgtccccggc cgtgccgaga atagatgggg ttccgggtcct tcgtcggggc ggggtgctctt 120
cgtcgccgct ttccttctct ccgnetacca ggagttaaat gaatttggcg ctgatggtgg 180
gccagcagct aaggcccttc agcccaagtt caatgtgttt gtaaaaaata tctctgcgca 240
tctgggagta gttgtgccgc acattgagtt gaagcatgtg attgctgcta caattgctct 300
taagggactt ggaagtctcc tttttatctt gagcagctcc ctccgtgctt atctcctgct 360
gctgtacctc gctctgatca cntctatcgt tcacgacttc tacaactacg acacggagaa 420
ggaagaaatc gcgcggctgt ttgcgaagtt ca 452

<210> 25125
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-H11

 <400> 25125

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 gcgcgagcag gaggaggagc tcgacattgt cgctcaggcc agccgccgtc tcggcggtgcg 120
 ccccgctcgtt ggcatgcgcg ccaagctgcg caccaagcac gccggccact tcggctccac 180
 gtccggggag aagggcaagt tcggcctcag cgccgcgcag atactgtccg tggtcaccaa 240
 gctcaaggcc atcggtatgc tcgactgcct ccagctgctg cacttncaca tcggctccca 300
 gatcccgacc acc 313

<210> 25126
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-H12

 <400> 25126

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 gaggacagcg gatttttggc atttacgata catgatcaca gttctggtgg agacatctat 120
 ttggcattca atgctcatga gtattttgtg gatgctgtaa ttccgccacc accactccat 180
 atatcttgga atcgtgtggt ggataccaac ctggaatcac caaaggatat tgtcccagaa 240
 ggggtgcgca ttcacaggtt cagggtagat gattgctccg tactcttaca tcttgcttaa 300
 ggcaaagcct tagaatggcg gatgcaagtg attctgaagt gagcacgaat aatgggtgttg 360
 tgatccctaa ctttgcaagc tcttagccaa ctgtactgca agtatagcaa actttggtat 420
 g 421

<210> 25127
 <211> 463
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H2

<400> 25127

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tccgggtcttc tactcgctgc tcaacctcgc caacgtcatc accgtgcctc tactactcta 120
cgtccatgaa catcatccgg cacacacaat ttcgacagca aggctgacaa agaaactgct 180
gtactaccg cgtctgacga tgagcataac tgtatcaaca ccatatcctt cgacacatac 240
tgaccactcg acatgatcgc caacaagccc aacgaacaag tcttgaacgc acaagctacg 300
ccggcgacta aactgacac atattaccac aaaccaaacy gtcaataaca atctgaaact 360
gacacaggca acgctgctga ctatgaacaa gccgacagat accatgcagc tctaattcct 420
gaccacacac cctatgaatt tcccataaat atgtggaagc tct 463

<210> 25128

<211> 295

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F9

<400> 25128

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gggagggtata cccatgcatg catgcatcaa atcgtcatcg catcccatgc atgcatgtat 120
gatgtatcag tgattcagga tcaccggccg tcgagcgagc agtctcccaa ttccacccaa 180
taactaataa catctcctcg aacgccaggt tccttggacc actatatcca ggagcgacga 240
agtgatccac ccgccagcca tggagatgaa gaaggtcctc tgcgcgcgcc tcgtc 295

<210> 25129

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E6

<400> 25129

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gaagtaggca ctataggcac taggaagtag ctaaagcagt cataaccatg ggttcgctgc 120

cgccggtgga cgggcagaga cgccccccac acgttgtgat gatcccgtag ccggcgaggg 180
gccacatcac gccgatgctg cagtttgcca agctcctcca tactcgcggc ttccacgtca 240
ccttcgtcaa caacgagttc aatcatcgac gccacctgcg tgcgcgaggg cccaacgcgc 300
tcgacggcac ggatggggtt cgcttcgccc ccatcgacga cggctctccc ctctttgaag 360
cggacgccac ccaggacatc cccgcgctct gccactccac cttgaccacc tgcctgcccc 420
ggtttaagga tctcatcgcc aggattaacg ccgaggctg 459

<210> 25130

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E7

<400> 25130

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ggctgatggc ggccgtcatc acggggctgg tcaacatgtt cggcaccgtg gtgtccatcg 120
tgtgcgtgga ccgcctgggc cggcgcgcgcc tgttcttgca gggcggcacg cagatgttcg 180
tctcccagat cgtggtgggc acgtgatcg cgtccagtt cggcaccgcc ggcgtggggc 240
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tcgcctggtc gtggggggccg ctgggctggc tcgtcccctc ggagggtgtc gcgctggagg 360
tccggtcggc ggggcagagc atcgccgtgt gcgtcaacat gctgctcacc ttcatcatcg 420
gccaggcctt cctcagcatg ctgtgc 446

<210> 25131

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E8

<400> 25131

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gccacccccg aatttaggtg ttgattctgg ttatgtcttc gcatcaaata tgtacaatcc 120
ctgcatgtca tcaacatcaa tgaacagaca tgtttctcat gctcagagct ctggatcacg 180

gaatcaagag ttgcctcaaa accaagtccc aggaactatg gatgagagta gcagaaatga 240
 cagtattggg gaaagtgtc gagagcatat tacaaggaaa aatgctgcac ttgctggaag 300
 ctatcatttt gttaatggat ttgcaagctc aagctcatct tctcatgcac ctcacaatcc 360
 tatgcttggg ccttgtgacc cttcttttga atcaactgca tcttctaata ttgcaccatt 420
 caacccatca gaatatcatg gacac 445

<210> 25132
 <211> 377
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-E9
 <400> 25132

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 cagaggcaaa gaagaagaga gtcgccgccg ccgccgccga ggagaagaag gtgcaggaca 180
 acttctgtc gacgctgtgc gagggcagga aggggatgga cctggtggtg tgcaaggagt 240
 cctgcgacct ctcacagcgc tccaacctgg tgctgtacgg ccggatccag tgcaagggca 300
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 acaaggacta cgtggtc 377

<210> 25133
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F1
 <400> 25133

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 ctaccctact atagagaaaa agtcagcaca ttgcaagcaa taataatgga gacgacgacg 180
 aagctccggg ggagccggcc cggctccttc ctctcgtcg ccgcggcggt cctggcgctc 240

gacgtcgcgt cagggcgtcaa cgtcggccag ttcgacgacc acttgacagaa gcggaaggag 300
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 ttcaacgccg acgtccacag agctgtcagc agcaatcggc gtgagatgcg ggagaggccg 420
 aagaagcaca agaagaaggg cccg 444

<210> 25134
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-F10
 <400> 25134

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 ccaagatgca gctgccacct ctaggttgca ggagttcccg cctggagggtg gtaatggcgg 180
 agggatatcgg ccaccagggtg gcctgcaga tggagatgcc gatatccacg cagactggaa 240
 aggatacttc aatgctgcat cttatgtctc atacttcaat gttgatactg atgttgtagt 300
 tgacaggctc attagctcag tgtatccaat ggatggctat tacaggataa ttgatgctaa 360
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<210> 25135
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F11
 <400> 25135

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 ggatttgggc gagttctagg tagagaatcg gttttacttg tctcagcccc gggctctgctg 120
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 tcgggaatca ggggtttcac acatagcttc gtcgatttga atttgatgta ctaatggagt 240
 ctaagggtgg caaaaagtct agcagtagtc gttctatgat gtatgaagct ccccttggct 300
 tcagcattga tgacgttcga cctgccggaa gcctgaagaa attccagtct tgtgcttact 360

ccaactgcgc gaagaaacca tctgatatac ccttttggct tctcattct agtagtttag 420
gatntctttt ctgacacttt gattctg 447

<210> 25136
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F12

<400> 25136

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ggttctgggt ccacatgcat gcatacttc aatattactc gcacagatg catgcatgct 120
tcatatatca atgattaagg ttaaacttc atcaaaccat cactctatca attgtacca 180
actactaatt acatcttctc acacataact ttcttatac caatatcttc tactactaca 240
aactaatcct ccctacaacc atagatatta acaatgtatt atgtactaat ctcgtcttag 300
ctacaatcat tcacgacctt a 321

<210> 25137
<211> 394
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-F2

<400> 25137

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tcatcctcgc tggggcgga ggtgcgtcga gccgggggtt tgcctcccgc gtgggccagc 180
ggcccgettc ttctccagc attcgcggga ggagaggggt tcaccagcca tgcaaaggag 240
gcgaacttca gctacgcggg gccggccagg tgcaggeget gacagctgcc gcgtgcctgg 300
ctcttggcct aggtggcctt gccgacgnc cgcacactgc ctactgccgc taggtctgng 360
cgtggttgtc tgtccacat acgagcgaca gtcg 394

<210> 25138

<211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F3

 <400> 25138

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agacagggga aaatttgccc aaaaaaggac tagaataaca gtcctgatcc gaccatgtcg  120
tcgtcggcgt tcggcgactt cgggtccgctc accgagcgcc gccgcgccga aaaggcgcg   180
cagcagcgca ggcgcacatc gatcgccgcc gggactatct ccatcatcat catactcatc  240
gccatgggca gcgcgcgggt catgtacagc gggaagaagt cgtccagcga cggtgccac   300
aagtctgctt ccaaaggcaa gtcgagcggc gggtcagact cggactcggg agcggaagcg   360
gaagcggaat cggaagcgga atcggaatcg gggtcggaat cgaagacgaa tctgaaggcc  420
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<210> 25139
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F4

 <400> 25139

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aggttgtcct tatcgtgctc gtcgttcggc cacatggtga ccccgccac cgacacaccg  180
tcgatcacgc ccaccaagaa gcaggacgac aagccgaagc cgacgccgga ggccgccacc  240
gcggcgaaact acgcgtcgtt gtggtcgccc aagcgctca tgcagcgcg tgcccgcgct  300
ttccgccgca gcaggtcgcg cgcgcgcgtc aggacggtca aggacctcgc cgaggaacgg  360
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<210> 25140
 <211> 449
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F5

<400> 25140

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aggaatagca tcaagtcggc tatcttctcc ggccatcggt cgcaccccca cgtgggggag 120
gcggcgggtcc cgcagcagca gcagctgggg agcaccgctt cgttccactc gacacccatt 180
ctgcagcggga agcacaagac ccagtggcac aacagattca actattatac gagacgtagg 240
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tttcagagtt ggcgtgatga agatgagaaa aatgctgcat ctgctgggac ttcattggtt 360
agaggacatc gttgggtcag aaattcaagc aacaatgggt tccgtacaca cgatttttat 420
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<210> 25141

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F6

<400> 25141

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tggtcgtccc agcagaagcc ggggcccggc ggcgggaaca ccgacctggt gaccgtcgtg 120
gggtcgacgc cggagggcga gtggctgaac accgtggtgg accgggacct gcggggcgag 180
gaggaggagg acacggagga gatggtgaag ctgatcaggg tcggcatggc gtgctgcgag 240
agcaacgtgg acaaccggtg ggagctcaag accgccatcg agaggatcga ggagctcaag 300
gcgaaggagc gcnccgacga ggagcaagcg acggtgatcg acgatgacta cagcgatgtt 360
gccttcaact gatcatcgac acgaaccggc cgggaatcg 399

<210> 25142

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F7

<400> 25142

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gtgtatcagg ggagaagcag cggacgcagc gcagctacga tttcaccgga gtcacgtcgt 120
ggtttgccgc caagtgcgac ctcatccttc tctgtttga tccgcataag ctggacatca 180
gcgatgagtt caagcgtgtg atcgggtctc tccgcgggca tgatgacaag atacgcatag 240
ttctcaacaa ggccgaccaa gttgatgcac agcagctgat gagagtgtac ggagcactgc 300
tgtggtcgct cgggaaagtc ctgaacacac cagaagtcac gcgtgtctac ataggttcat 360
tcaacgacaa gccgatcagg gagacagcgg ctgggccgct gggcatggag ctgttccaga 420
aggaacaaga tgacttgctc tcg 443

<210> 25143

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F8

<400> 25143

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gcggagcgcg ccgccccgtt gaggcgcgc atgtcctcct ccgtccacga cgacgcctat 120
gagacggcca agtgggagaa gatcacctac gccgggatcg tgacctgcac cctgctggcg 180
gcgtacaacc tgtccaaggg ccacccccac ttcgatgagc cgacggcgta cccctatctt 240
cacatccgca acaaggagtt cccatggggc cctgatggct tgtttgagac gaaggaccac 300
cactgagccc tgattagcac accttcaaga gctggtgcac gcttaaaaga gttatatgga 360
tgtttcagtg attctacttt tccctcgaga cctatttgct gcaacatgaa ataagaatga 420
ccagactctg gtatcgacag tgaggttcta actgtgttag ctg 463

<210> 25144

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E5

<400> 25144

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gtcactctg ctcaactcca agttcttcca catgaacatg taccggtgca aggacatgct 120

gatcaaggac atgaccgtga cggcgcccgg cgacagcccc aacacggatg gcatccacat 180

gggcgactca tccggtatca cgatcaccaa caccgtcatt ggcgtctgtg acgactgcat 240

ctccatcggc cctgggacct acaagggtgaa catcacggc gtgacctgca gtccctggcca 300

cggcatcagc atcggcagcc tacggcggta caaggacgag aaggacgtca cggacatcaa 360

cgtcaacgat tgcactctta agaagacgat gttcggcgtc cgcacatcaagg cgtac 415

<210> 25145

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D12

<400> 25145

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gatctggtgc tcatgttgct cacaattaat gccatgcaca tcgagacgag gtcgctcgac 120

gtcatgacat ccagggtgcg catggctgat caagttatgc atcttaatga gaagaagatg 180

ttccctactg atcacgacaa aggcaacaat gtatgggtcc ttgacacacg ggctagcaat 240

cacatgaaag ggagtctcga ggcgctcgcg cactcaaca tatctgtgcg cgacacaatg 300

cgtattggcg atggatcact cgttgagatt gacggatttg gctatatgat gctctagacc 360

aagacataga gctataaaga gctcgttgaa gtctacttta 400

<210> 25146

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-D3

<400> 25146

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atgggcgaag tcgtttcgat ggtgctaggc gtgtctcttt gcgcattttg gggataaact 120

cttgaagcag tatgttgacg ctgaccctgc aatcaaggac gaggtggtcg acagctccct 180
tgaattcctc atccttgcta gtgatggact ctgcgatgtt gtcactaatg aggaagctgt 240
tgccatggtc aagcctattc aggacccccca ggaagcagca aacaagcttg tcgaagaagc 300
gtcccgaagg ggaagctctg ataacatcac cgttgtcatc gtacgcttgc tatatggaac 360
taccggtgat aaatcacgcg cagacaaaga gaccaccaat gacaaaaact cctaattacc 420
tactgtatgg atccctcatg cgtgtgaagt cttctggct 459

<210> 25147

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D4

<400> 25147

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ggacaggccg cacatgctca ccgctgtcat gacctcgcc acctcgactt gcacctcgac 120
tcggcccttg acgtcgccct tcacgcccac ggggaggctc acagctgctg cgccagctgg 180
tgcagcggcg agcgactgg tcaggtgtct gcttctctgc ctgcacatcc tctgcgcat 240
ccttctctc atctttcact ccttcttcta gactctctcc atgatcccg acatcctcct 300
ggactacttc ctatccgact tggctctacg tggagcgctc ttctgtgcgc tctcctatt 360
cctgtggctg tttctgttcc ggcttgccct tgcgctgccg ctgccgctcg cgctccga 418

<210> 25148

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-D5

<400> 25148

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gtgttgacgc ttacgtctgc ttcggcgta tgattggtgc tgctaagtgc tccccgtacg 120
atatgcagac gtacaacctg atagacacgc agagctggca cacgatccac gtgtacccgg 180

ccgacatgga cgtggagtca tactgacatc acgacatacg ctggcatgtg ataggcagac 240
 agttccaaca tcctgggagc ggcaactacca tgcgtgagcg acctctacat gagcctttct 300
 gctagcctgc accgattact actactagga gttcctgatg gctcgactac tgattacagg 360
 tgctcanag acggctggct tctgctgcac gagtcactac ggaggcacac gctaaaacga 420
 cgaacgac 428

<210> 25149
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D6

<400> 25149

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 gtggggaaat catgggagaa ggagaaagtc gctgggggtcg tgcaagcgct gatggtggcg 120
 tgggtgttctt ggagagtgac catgatgcct catcagattg cgtcgcatgt cttctgcgtc 180
 tagtcgagca aaaaggaat ggctggtgag catgcagttc ttcgccaaag cagacgcac 240
 aacactgaac cgctgctcgt cgcgagcagc gctgttggcg cccatgcttt tggtaagaa 300
 catgtaccac aggatgaggc gcttggagga tgctgcgatg tgttcgtgag aggtctaggt 360
 cgtcgtctcc cagtcaactt tgggttgctg gaccgttgct tctttataat gtaattattt 420
 atttattttg gatagaactc ctgttatgta gtaa 454

<210> 25150
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D7

<400> 25150

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 tgatctttga gagaggagat ttggctcttcg tgttcaactt ccaactggagc aatagctatt 120
 ttgactatcg cggttggttggt ttcaagcctg ggaagtacaa gattgtttta gattctgacg 180
 atggcctttt cgggtggattt agtcggcttg atcatgacgc tgagtacttc actgctgact 240

ggccgcatga caacaggccg tgttctttct cggctctatgc acccagcaga acagccgtcg 300
 tatatgcacc tgcaggtgca gaggacgaat agggcacagc agcggttggt ggggaagaac 360
 ttcagaggga tgtactgctg gtggactgac accactgcca cgcgcgatgc tgccagatgt 420
 tgccctcgag accacgtggc 440

<210> 25151
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-D8
 <400> 25151

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 ctgctgcgtc tgggtggtgg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
 gcgagctcgg gaatcagggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240
 tggagtctaa ggggtggcaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
 ttggctacag cattgaggac gttcgacctg ccggaggcgt gaagaagttc cagtctgctg 360
 cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttcct cattctagta 420
 gtttaggatt tcttttctga cactttgatt ctga 454

<210> 25152
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-D9
 <400> 25152

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 ggggtcttga agttggtctg accaactatg cagctgccta ctgcactggc cttctgttgg 120
 ctgcgcgtgt gctcaagacc cgtggtttag ataaggaata tgagggcaat gttgaggcca 180
 ctggtgagga tttctctgtt gagccagctg atgagaggag gcctttccgt gctctcttgg 240
 atgttggcct tattaggact acaactggga accgtgtctt tgggtggcctt caaggagact 300

ctggatgggtg gcctggatat tcctcacagc gagaagaggt ttgctggttt caagaaggat 360
gacaagcagc tggatgctga tatccatcgc aagtacatct atggtggcca tgttgctgac 420
tacatg 426

<210> 25153
<211> 370
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-E1
<400> 25153

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ggtaatgctt tcatcgaat taggcgcctt cttcgtcca cgcgtcgtct ttatttgtaa 120
tctgaagctt acaggaacat ttgagtggat catggacgga ttggtaggcc tcttgaaagt 180
ccgggtgggtg aggggcatca accttgcta ccgcgacgca agaggcagcg atccgtatgt 240
cgtcctacga cttggcaaga agaaacttaa gacgagcgtg aagaagagat ctgtgaaccc 300
catctggcac gaggagctaa ctctgaccgt cacagatccc agcctagctc tgaagctgga 360
ggtgttcgac 370

<210> 25154
<211> 420
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-055-Q1-K1-E10
<400> 25154

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gtgatatgtc atctgtttcg aaggaaacaa aatcccaacc ccttgcgag aaaaagtcta 120
caggcaagaa atcagcaggt ccagcatctg ctgtcagtg ctctgtttct acagttgatg 180
ctttcgtatg agaagcttct ttcgtctatt ccggaattcg ctgatttttg aaagcttttt 240
aagtcacctg tacctgtaga attgactgaa gctgagaccg aatactcagt gaatgttggtg 300
aagcatatct ttgatcgaca tgttgctgc caatacaact gtaccaatac aattcctgaa 360
caattgcttg aacagggtat tgttttggtt gatgcttctg aggctgacga attttttagaa 420

<210> 25155
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E11

<400> 25155

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tgagggatct atatgtggag cggatgcgct tcgaagctat gaaatgcatg tctaggatcat  120
atcgcccaac tgtacctgtg ggatatgttg cacagatttt ggggttcatg agaactgata  180
caggctgtgc aaccaatggg gatgatggat tagaagaatg cgaaaaatgg ttgaaagcgc  240
atgggatagt tctttcagaa ggtaacagtg gggaatcaca aatagacatg aatgcttcgt  300
cttctacact ttacatgcca tatccagata atgcggttgc acatggtgat gcatcacttg  360
ctgttgatga ctctttggca cggactgact gacatcttaa aaggt                               405
  
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<210> 25156
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E12

<400> 25156

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gcaagcgatc gtcggagcag agagagactt cctcgcttgc atcccatccc gccgcccgcg   60
gggtctacgt cgctaataag cagccgcac cagggatgga gatgaagaag atcgcttgcg  120
cgttctcat cgccgctcg gccaccgtgg cgctggccgc ggaggcgccg gctccgtctc  180
ccaccagcgg ctctcccgcg gtcgcacccg ccacgtctcg ggccgcccgtg gcctccttct  240
tcgcgtacta cattcactga gccgcccggac gaggagccgg agccggaggg aagagaccaa  300
gggtgggggga gagacttggc tgcgctgcgc tgctctgctg ctaccgcgca ttcccgatgc  360
gtgggcgtgc tctgattgcg cacggcggtg gcagtggcac accttcgtc                               409
  
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<210> 25157
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E2

<400> 25157

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gcggccgtga acattaagca gccgctgcac ggcgcatcga cgctgttcgc gctgctctct 120
ctctcgtcgc tctgctccg cctgctcctc cgctccgcc tggccgcctt ccgcgacgcg 180
gcgctgtcgc tccacctgct ggcgcgcccta cgctacgcc ccgtcctcct ctgcctcccg 240
gcagcctgcc acgacggcgg cgccggcgcc ggcgccacca cgctgcgcgt ctggtgcccc 300
gccaccccat cctccaagcc gccgctgctc ctctacacg gcttctgcgg ggacgccaag 360
tggacgtggg cgcccaacc tccgcgcctg tcccgccact tccacgtgta cgcgccggac 420
ctcgtgttct tcggcgcgca gtcc 444

<210> 25158

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E3

<400> 25158

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cgctctggcc ttattgttag ctgctaagat atgcagcaag gagcgccatc ttgcctctga 120
gggtgtcgaa tacgcaagaa gagtaatcgc ctgtgccgaa tcatcggatc ctcatctgaa 180
gagcgtcggc ctccatttct tggggagctg tctaggcaac aagtccaagg tcgtttcgtc 240
ggactaccaa agatctctgc tgcagacgga gactctcaag tcgcttgag agtcgattgg 300
ccttaaccgc tacaacgccg acctcatatt cgacatggga gttgagtacg ccgagcaaag 360
gaacatgaat gccgccctga gatgcgcca ggagttcatc gaggcaacgg gcgggtcggg 420
ttcgaaagga t 431

<210> 25159

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-E4

<400> 25159

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gccgccaagc cccaatctca ctggcaaagt tcggcggtag tgccagaagc tcgcctggcg 180
agcctcactc nnaccatcgt aggagaatct gnntcgtcga ctctcgccgt aaagcccgta 240
cgagaatnct cgcctctnct tgggtctgtct gctactctca cgttctgtcc actactctng 300
atatcactcn nttctggaaa gggctaagag ggtggcaccg nngtggttt 349

<210> 25160

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D10

<400> 25160

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gggggactgc tccgacgcca tcgtctctcaa cagcaagcga cggcgccacc ggtcgccgtc 120
cgccgcttca tctctctctc cgcacagcag cagcaccaca cagaaagagg aactggaaga 180
cgaggaggag gacatggcca aatgcctcat cctcctcgcc cagggccccg ccgccattga 240
ggcagctaga gtaatgccgg caccctctag caggccaaag agcacggtga gccgcagggtt 300
cttggccgcc gtcgaggcca gaggtggtgt gtgctgtctg tacgaatgca agacgtgcaa 360
c 361

<210> 25161

<211> 93

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B4

<400> 25161

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aatgtctttg tcagcaccat agtttatgat tct 93

<210> 25162
 <211> 176
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B6

<400> 25162

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 gcgaagtctc actataacta tatattcaga tgactaatac tcagaacgat gatgac 176

<210> 25163
 <211> 411
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B7

<400> 25163

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 ggccgccatc cgagcgaaca agccaaccga ccccgctccc aaggcaatcc gccgccgacg 120
 taccaccacc accgcaggag cgagatggag atgaagagga tctctctcgc cgtcctcgtc 180
 gtcacgcgcg cctcggccac cgcagtgtg gcctccaccg aggcgcgcgc cgcgggcgcc 240
 ccaactgcct ccgagtcgtc cgccgaggct cccgctggcg ctggcgctgg cgctgccgct 300
 ggcgcgcncg nctcggggcc cttegccagc agcggcgcgc ncgccctcgc cggcgcgccc 360
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<210> 25164
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B8

<400> 25164

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gtcgccgcgc ccaccgcgc gaacaagcca accgaccccg tccccaaggc aatccgcgc 120
cgacgtacca ccaccaccgc aggagcgaga tggagatgaa gaggatcctc ttgcgcgtcc 180
tcgtcgtcat cgccgcctcg gccaccgcag tgctggcctc caccgaggcc gccgcgcgcg 240
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ccgctggcgc cgnccgctcg gggccctccg ccagcagcgc cgccgcgcgc ctgcgcgcgc 360
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<210> 25165

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-B9

<400> 25165

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gttctcccc tgccggcgcc tcctcgcgac agcctccctc gacggaacgg tagcgctgct 180
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cctgtcctgg tccacggagt cggtctacct ctgtccgcgc tccgacgacc gcaccatccg 300
catctgggac atccggcccg tcctcgccgc tggcgcccag gcagccgtcg tctccggcgc 360
agaccgctgc gtncgcgtgc tcaaggggca caccaac 397

<210> 25166

<211> 91

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C1

<400> 25166

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aactcaatcc aaaactacat accaccacca c 91

<210> 25167

<211> 374

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-C10

 <400> 25167

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 ggattgttca cgctcacgag aaanaagggt ntgcgtgtga tggaagcgag ctggtgcttg 120
 cgtatgccag caagctgcga ttctgagtgt aacacataag gatgttcttt cattcttctt 180
 ttttgttccc ttgttgcac aaattgtgcc ttaaccacgt cgatgtgctg ccaaattgtc 240
 aatccctgat acggtcaatc atggatggac cgactgcaat ataaatatat tataccacan 300
 aatagcgcga cctttgctac gaaaaaaaaa agcatcngnt acgacatcga atacaccgtc 360
 tgcgcctca aagt 374

<210> 25168
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 25168

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 tcacgcgcct ccggaagcca gtgcctgcgc agtgaagcat ccatctgcct ctccctctcgt 180
 cggatccggg gccggccagg cggcggcagc atgaagcggg tgctgctcga cgtctccctc 240
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 gaacgacggc ttcgacagcg tgctgcagtc 390

<210> 25169
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C12

<400> 25169

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actcacgtca ccttccgaat gcacgtgcct gcccacggaa gatatcgta gggactagta 180

tctctgatca cgggccagtc agggcccgcc agctacaagc acgtgtcgct cgactgctac 240

gtcatgtccg atgctgaggt acacatgcat gtgtagtgct tcatcgtcta catgcgcacg 300

ttcacg 306

<210> 25170

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C2

<400> 25170

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agttaagaat tcattgaaat tatgagttat at 92

<210> 25171

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C3

<400> 25171

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gggaaatcac cgacctggct cctagcagca tgaagatcaa ggtggttgct cctccagaaa 120

ggaagtacag tgtctggatt ggaggatcca tcctggcatc gctcagcacc ttccagcaca 180

tgtggattgc caatgctgag tacgacaagt ctggcccatc catcgtgcac aggaaatgct 240

tataattctt tgggccaag agatgcaaag ccgagaagat ccattatcgg cagcctggcg 300

cccagtgact gtcttcttta gcagctgcgc attcattatc atgaacaaag ctctctgtcg 360

gtctatccgc tga 373

<210> 25172
<211> 512
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C4

<400> 25172

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ttcatccttg acaagtagtt gtacttatga ctacttattt cagttgcggc aagagaaata 120
ctctggcgcc ataaatgctc ctgaagactt tgcactgtcc tgctgacact cgtcagatat 180
gttagcatgt ggagaggacc ttggccttat ccctgcttgt gttcaccctg ttatgcaaga 240
actagtgttg attggattgc gtatccaaag aatgcctagt gaaccaaact tggaatttgg 300
tattccttct cagaatagct atatgacagt ttgcgctccc tcatgtcatg actgctctac 360
attacgtgct tgggtgggaag aagattaagg aagaagaagt cgtttctaca agactgtaga 420
tggcactgat gaagagccct catctcgttg caccacagaa gtagtgcact tcattgttca 480
gcaacatgtt gacgctccat caatgtgggc aa 512

<210> 25173
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C5

<400> 25173

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gctggtcctg tcgtacggcc agctgacggg cccgatcccg cgcgacgacg cgcgcgacga 120
gatcaacacc gtggacctct cccacaacaa gctgacgggc gacccctccc acctgttcgc 180
cgccggccgg cccatcgcca aggtggacct gtcgtggaac tacctcgact tcgacctgag 240
ccagctgggtg ttcccgcggg agatgacgta cctggacctg tcccacaacc tcatccgggg 300
caccgtgccg ctgtcgttgg agcggctgtc cacgctgcag aagctggacc tgagctacaa 360
ccgcctgtgc gggccgctcc ccaagggaca cggcgtcatc aagcacgggt gcaagccgta 420
cgcgcacaac cagtgcgca aagggacccc 450

<210> 25174
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C6

<400> 25174

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gcggcgggcca cggctggtgg ggtacgagga gctgccggag tacctcaagg acaacgagta 120
catccgcggg cactaccgcg ccgagtggcc cgtccgcgac gcgctcctca gcgccttcgc 180
ctggcacaac gagactctca acgtgtggac gcatctcggc gggttcctgt ttttcctggc 240
gctcgcggtc gccggagggt ggacggaggc cgccgacgaa gccgtcccgc ggatcatgag 300
gttcgtggtg acaccaccag ctaacgcttc gtggggtagc ggccagcatt cgggtctgcc 360
aagccacgac ggcaggcggt cgcagtccgg cgtgcccgcg tggccgcgga cgggtgttct 420
ggtgggcgcc atgtcgtgcc tggccatcag cgcgac 456

<210> 25175
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C7

<400> 25175

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gaagtactac ttctaccaca tgctctcgtg gccgcagctc ctcttcgtcg ccgaggacta 180
cggaggcagc atcgtcgggt acgtgctcgc caagatggag gaggaccctt ccgagccctg 240
ccacggtcac atcacctccc tcgcggtcct ccgtccacac cgcaagctcg ggctcgccac 300
taagctcatg tccgcgcgc aggccgcat ggaccaggtc ttcggcgctg agtacgtgtc 360
actccacgtc cgccgatcca accgcgctgc cttcaacctc tacacctcta ccctcgggta 420
ccagatccag gacatcg 437

<210> 25176
<211> 415

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-C8
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 ggacagttct gaagctcaga gacaatattg aactatccat tgggagaagc agtcgagcac 180
 atcagaactt cagatatcta tcaggggaagg ccgggggtacc tcaacgaact tccttatttg 240
 gttctaggac gaaaaagaca tcattatfff catgtatgcc tcccattgcc aaagccgatt 300
 tctgacatga ggtcaagtct ttttagataa cattgggttag agggtttagct aattttttct 360
 tctattcgat atgggtgggt ctctatgaac atgcttaaaa aaattgatgc aaggt 415

<210> 25177
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B3

<400> 25177

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 gactcgcata caatttaca tttatagcat aatcacaact tatatcatac aaatacacaa 120
 aaacacactt gactaactat ataatccatt tcgacactat tatatctaca catgtgttac 180
 ttgcactact tttatcaata ctactcattg gctataacat actcacattg acgagagcta 240
 tgataatatt aacactatat tctattgcac tatttccacc aatattctaa taatgatgac 300
 cactttat 308

<210> 25178
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C9

<400> 25178

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cgctctcttc ctctacgaga ctacgaccgt gtaaggatgg ccgtcgagcg cttgaagacc 120
 gggttcgagc agttcaaggc cgacgtctac gacaagaagc cggagctggt cgagccactc 180
 aaggcgaccc agtcgcccac gtacatgggtg ttgcctgctt ccgactcccg cgtgtgcccc 240
 tcggtgaccc tgggcctgca ccccggcgag gcctttgccg tccgcaacat cgccagcatg 300
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 tgcgccctca aagtggaggt catcgtggtc ata 393

<210> 25179
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A10

<400> 25179

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 gcgcaaccaa gccaagacg cttgaggggc agggcccagc tgaggccgcc gtctccacac 120
 ccaaggttgc gcccgaggcc actccaatct ccgttgaggt tgcggctgat gaacaggtag 180
 ctgagaaggt ggtggtggag gagccggctg cggcggccga cgttgagcat cagaaggcta 240
 atgaggtgct cgctccagag gcggccgctg ccgagcccga ccacaaggag gaagaagccg 300
 tggagaagac cgtcgtcgag gaggagaagc cagcggcagc agcccatgca gaagaaaagg 360
 tcgccaccgt cgtcgagacc acgacgacgg tggaagcgaa aaagaacgcc gaggaggccg 420
 ggaaggagaa agctgcgcaa caaaacctga tc 452

<210> 25180
 <211> 446
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A11

<400> 25180

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 gcgacggcgc tgctgttctt gcaccaaagc aagccggagc cgctggtgca cggggacctg 120
 aagccggcca acatcctgct ggaccgcaac tacgtgagca agatcagcga cgtcgggctg 180

gcacgcctgg tgccgccgtc ggtggcggac aacgtgacgc agtaccggct gacggcgcgc 240
gcgggcacct tctgctacat cgacccggag taccagcaga cgggcaagct gggcgtcaag 300
tcggacatct actccctcgg cgtgctcctg ctgcaggtgg tcaccgcgcg gccacccatg 360
gggctcacgc atcacgtcga gaaggccatc gacgcgggca cctttgagca gatgctcgac 420
atcacccgtca aggactggcc cgtcga 446

<210> 25181
<211> 169
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A12

<400> 25181

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aggaaaaagg tacataatac taaaaaaaaa aaaaacaaaa ccaataatac acaataaac 120
taaaaccaaa caacaatata gctaaaccaa aactacataa acaagatca 169

<210> 25182
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A2

<400> 25182

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tcagtggccg cgcgccgcac caagtgagct agctactctc taggcggagt gaagcgaagc 120
tagcttagct gcctcgagct tgagctgagc ttgctcactt ttctcccctc ttcttctagt 180
accggcacac acaccgcagc tgcgaaaaag gaagctctct ctctctggtg gtgccggtgc 240
gccgtgcttg cttgcttgct tgcggctgca tccatggacg cctacgaagc caccaagggtg 300
gtgttctcgc ggatccaggc gctggacccg gaccacgccg tcaagatcat gggcttcctg 360
ctcatccagg accacggcga gaaagagatg atacg 395

<210> 25183
<211> 443

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-A3

 <400> 25183

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 gaggaggcag acaagcttct ctctcctgag tttcaacctt ccatagaaca gttgattcgc 120
 tacctccctg ctagttgact gattgatttg aagcttgga aagaggggtg tgagacagtg 180
 aactttctgt cgttcttcaa caaaagcata gaactgcgta aatcgtgttg aactattggc 240
 gaagaagatc acagagcttg gttattcttg cttctatatt catgcaaaga tgctacagga 300
 ccaccgcaat agagttttcc atgatttccg taatggagcg tgcaggaatc ttgtttgtac 360
 tgatcttttt acaaggggaa tagatattca agctgtgaat gttgttatca attttgattt 420
 cccaagaac tctgaaacat atc 443

<210> 25184
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-A4

 <400> 25184

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 gggactgttc caccagagc agctcatctc gggcaaggaa gacgcagcta acaactttgc 120
 ccgtggccac tacactgtcg ggaaggagat tgctgatcta tgcttgacc gtgtgcgcaa 180
 gcttgcagac aactgcactg ggctgcaggg attcttggtg ttcaatgctg ttggtggtgg 240
 gactggctct ggacttgggt cacttttatt ggagcgcctt tcagctgatt atggcaagaa 300
 atccaagctt ggattcacca tttatccttt ccacaagtg tcaacaactt gtggataacc 360
 ctacaacagt gtcctctcca cacactcctt gcttgagcac actgatgttg cagtctcct 420
 ggacaacgag gctatctatg acatatg 447

<210> 25185
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-A5

<400> 25185

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gatgtacgca tcccccgga accgcttcgc ctgcggcacc gccgccttca acgggagaca 120
agaggacgcg ggcggacgcc aggcacagag gacggtgggt ctcgtggcca gggacccgcc 180
cacgagagag atgacggtgg atcagctgct cgtcaaggcc aaccagctgc atcatctcct 240
cgaccggttc atcgctgcc gccctgtagg cgcgccaag gcgaaccgag tggtaggggt 300
ctctctgtac ccgctgatca aggagagcgt gcagctctac tgcgagctca cggaggtgac 360
ggccacgctc atcgagcagt tcgcgagat ggagaccgcg gactgcgagc gcgtgcacgc 420
nctcttctgc ggtc 434

<210> 25186
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A6

<400> 25186

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacaataaa aaaaaaggaa 60
ggggtacact ttacaagctc gcaaccttat aactgttcta ttctgacccc atcaactcta 120
ctatcatgcy ccacctatct tcaacctact cctctgttaa ttacaactc cctcgcttca 180
aaacctttgt cctgcacaaa cttcttcgct ctgcagctca tccacctttc agcacatgct 240
ctattatcct tctgccctgc aactgacgat ctttctgaa ttcgaccttc cctactgtcg 300
cgcatcatgc acggtgaatg gggttattac tctccccggc aatgatactc tagccctctg 360
cctcttacct actcctcatc cttttaactt cccatctttc tacattc 407

<210> 25187
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A7

<400> 25187

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gcatcgccat caagagtggc tgggatgagt atggaatcgc ctatggccgc gccatttctg 120
gcatcacctg ggggaggatc acaggctcct ccccgtttgc tggcttcgcg gtcggaagcg 180
agacatcagg tggcgtggag aacgtccttg cagagcactt gaacttcttc aactcagggt 240
ttgggatcca tgtcaagacc aacacaggca ggggaggctt catcaggaa atcactgtct 300
cggatgtgac gctggataac gtccgttacg gcctgcggat cgttggcgat gtcggcaatc 360
accccgacga cagctacaac cggagtgcgc tcccgatcgt cgacgccctt acggtaaaga 420
atgtccaggg ccagaacgtc 440

<210> 25188

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A8

<400> 25188

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tgtgattaaa aaaaaaaaaa cagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gccgcccttt 180
taaaagaacc aaacttaact acccctgcat tccaacaaaa aacttttaaa aaagggaacc 240
caaatttaat ttaactgccc gcgttttaaa aacttagaaa ctggaaaacc cttgccatac 300
ccaatttaaa ccccttggca aaaaatcccc ttttccaaac ttggcaaaat accaaaa 357

<210> 25189

<211> 292

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A9

<400> 25189

cccactcgtt ctcggactcg tgttcgtact cttaggaaaa acaataaac agaacatatac 60
gggactaagg gaactaatc tgcacaaaa caaattcaat tacattcata caccatatac 120

taaaacttat acaacatcct tccattctaa aacacccatt tttacaccag tcatttccta 180
 cttattctat ttataatcaa ctcatatctc ttaacttaat taacaaaaaac tttccaccgc 240
 tttaaatgat acaaccttac gtattcctac ctaatacccc ctaactctta ta 292

<210> 25190
 <211> 402
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B1

<400> 25190

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 atcagcccggt gtacccatgt ttaccgtctg caaaagacaa gataaaattt gcctctttta 180
 gcgtcagtat attaaggcct cagcactgca cattacgtgc tgcgatggag gaattttttg 240
 agaatttggt ttattttcttg tcgtgtccaa aatccacaaa tctgtcaata atgataggca 300
 agttcgactg acgtggctga cttggttggc caccgatgt tttcttacia cgagtcatga 360
 accataccgt nccatctttt ggtggaagaa tttactttgg gc 402

<210> 25191
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B10

<400> 25191

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 aggcacggag tggcgagag cagacgcccg tgaaccattg tagctgtccc tgtcgtcgtc 180
 atcgtcgtcg tcaacgaatc cgcacaagga aaagatggag aagaagccga ccctctcat 240
 gaacaggtac gagctcgggc gcacgctcgg gcagggcacc ttcgccaagg tgtaccacgg 300
 ccggaacctc gcgtncggcg agagcgtggc catcaaagtc atcgacaagg agaaagtgat 360

gcgcgtcggc atgatcgacc agatcaagcg cgagatctcc gtcatgcg

408

<210> 25192
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B11

<400> 25192

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tgcataatata tattcctgcc aagataaagg taatggagtc gtcacgcagg ttccagccgg 120
ccgtcatcct gcttctcctg ctcatgtgt ccaccgatat ggcacaggca agggaatgcg 180
agaagtacag tgagcgattt gttggggcat gcatgatcgc agacaactgc gccaatgtgt 240
gccgcggtga gggcttcttg gccggcaggt gcagcacctt ccgccgccgc tgcattctgca 300
ctaggcagtg ctaaacaaga tcgctcgatc gctcgccatg catcgacaac ctattcttaa 360
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tgtatattct gatgactgtc atgtatcttg g 451

<210> 25193
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B12

<400> 25193

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ctgcatgctc atcttcgtct tcgacggctc aggatcgggc atggccttca gtaagctcac 180
ggacggtggc gccgccactc ctgccggcct gatcgacgcg tctctggcgc acgccctagc 240
cctcttcgtg gccgtctccg tgggtgccaa catttaccgg cggccacgtg aaccctgccg 300
tgaccttcgg tgcctttgtg ggcggcaaca tcagcctcct caaggccctg gtctact 357

<210> 25194
<211> 417
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B2

<400> 25194

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cggcgcacaa aaggagtccg tggctgacaa cgccgggatg ttggcaggcg gcatcaagga 120

cgtgccggcg aacgagaacg acctccagct ccaggagctc gcgcgcttcg ccgtcaatga 180

gcacaaccaa aaggccaatg ctcttctggg gttcgagaag cttgtgaagg ccaagacaca 240

agttgttgct ggcacgatgt actatctcac tattgaagtg aaggatggcg tagtcaagaa 300

gctttatgaa gctaaggtct gggagaagcc atggggagaac ttcaagcagc tgcaggaatt 360

caagcctgtt gaagaggggtg ctagcgccta aagatcttgt cgtctcctgt gcaattt 417

<210> 25195

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A1

<400> 25195

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agcagatgcc ttttggtgct ttgagaaatt gatgcgtaga ttgcgaggaa atttcaaagt 180

cacagatcaa tctgtgggag tatccaacca acttcaacat cttgcatcta ttattcaggt 240

tcttgaccca aagctacatg accacctaga aactcttggc ggaggtgact acctttttgc 300

gttccgaatg ttcattggtgc tatcttaggcg tgaagtatca tttggagact ccttatacct 360

ctgggagatg atgtgggctc tagaatacga ccctgacatt ttcttcgcaa catgcgaaga 420

acaaggtgca atacataaa 439

<210> 25196

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G3

<400> 25196

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ctcgccgtgt gctcaagacc cgtggtttag ataaggaata tgagggcaat gttgaggcca 180
ctggtgagga tttctctgtt gagccagctg atgagaggag gcctttccgt gctctcttgg 240
atgttggcct tattaggact acaactggga accgtgtctt tggtgccctc aaggagagctt 300
tggatggtgg cctggatatt cctcacagcg agaagaggtt tgctggtttc aagaaggatg 360
acaagcagct ggat 374

<210> 25197

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G4

<400> 25197

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tctcggtatc tgcaactgca agcaaggaaa ttaattaaaa gaagatcggc gccatggcgg 120
caacgacgac gacgggggatg cagatgatgc acgtgcagca cgcggcgggtg atgctgctgt 180
gctcggttgt cttggcggcg tatactccgg tcgcgctgga caactgccgc gactactgca 240
tggctgcatg caacgggtgg accatcagct gccagatctc ctgtgccagc gcatgctact 300
gagaagtcgg gatcacaacc ttatgtacgt cggctgtatt atgcaaagca gaagcgctg 360
catcagcacc tacagcagca ca 382

<210> 25198

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-G5

<400> 25198

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gtctcgccgc cgccgcgatg tctcgccgct atgacagccg cagcagatc ttctcgccgg 120

aggggcgctct ctaccaggtg gagtacgcga tggaggcgat cggcaacgcc gggtcagccc 180
 tcgggatcct agcgcccgac ggcgtggtcc tcgtcggcga gaagaagggtg acctccaagc 240
 tcctccagac ctgcgctcc gccgagaaga tgtacaagat cgactccac ctggcgtgcg 300
 ccgtggccgg gatcatgtcc gacgccaaca tcctcatcaa canccgcgc cttcacgcnc 360
 aacgctacgc gctctnctac caggaaccca tncncgtcga gcagctcgtc cagtcctct 420
 gcgacaccaa gcaggggt 438

<210> 25199
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G6

<400> 25199

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 cctgatcgag ctccaggagga tcgaggcggc caaggagatc gcaagcgttc tgtcgcgcac 180
 gcccaacgtc tcctacatcc ccgccggcga caatggccag atgctgctcg ggcttaacgc 240
 cgccccggtt cagaatttca ggacgagatg aaactgttct tggtagggag gagggaaagt 300
 tgtttctgta gagcttctag aagtgttget aagagtctgg ttttgattaa tgaaatggct 360
 ggaagtctgt ttgtgctcaa tagagtgttt cttctgtgaa ataaaactgg tctatgagat 420
 ggtgtggcca gctctt 436

<210> 25200
 <211> 388
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-G7

<400> 25200

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cggggtggat catcatcctc accaagacag aactccatcc cgttaaggt gttaaacatt 180
 aatcatggcc acaccgccag acggggcgcc cgctggacct gatgacacgt cgccgccgcc 240
 ttcttccaac tcgtcgacgc cgctccttc cgactcatcg acgccgtcac ccaagtcctc 300
 cggctcgggc tcgccgtcgc catcgccacc cgcaccgtcg ttgtcgccgn caccaccggc 360
 gtcgcgcaa gatagcacgg cgccagcg 388

<210> 25201
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-G8

<400> 25201

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 ggccagctgc tcccccgagc tgctggtgca gcaggtcaag gctgcgacca gcgccgccgg 120
 cgtgcagctc gccggcgaga acgcgctgga gcggtacgac gatgcggcgt tctcgcaggt 180
 ggtgtcgacg gcgcgcggcg caggcctggc cgcgttcacg tatctgcgca tgaacaagac 240
 gctcttcgac ggcgacaact gggggcggtt cgtgtccttc gtcagggcta tggccgacgg 300
 tggcgcgagg ccagcgtcgc cgcggtgtga cacgngcac tcggacctgt acgtcggggt 360
 tgctgacgcc gtcaaggaga ggaaggcggc ggaggccaag ggccgccgca ccaccgcagc 420
 attgtagggtg gtcgtcggtg gatgcccatt catgtgcttg cataatgca 469

<210> 25202
 <211> 269
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G9

<400> 25202

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 aggccccctt caacaacatg agcgcgtggt gcaacttacc catcttcaaa gactgtctaa 180
 gttgtatata ctgcttctag atcaactgct acaagccaac atactactct ctcaagcacc 240

ttctacatgt acattactta cataaacta

269

<210> 25203

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H10

<400> 25203

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gacggggaga agatctggca tcacaccttc tacaacgagc tccgtgtggc tcccaggaa 120
caccocgtcc tcctcactga ggcgcccctg aacccaaagg ctaaccgtga gaagatgacc 180
cagatcatgt tcgagacctt caacaccccc gctatgtacg tcgccatcca ggcgctcctg 240
tctctgtatg ccagtggctg taccacaggt atcgtgctcg actcgggaga tgggtgcagc 300
cacactgtcc ccatctacga gggatacgcc ctccccacg ccacccctcg tctcgacctg 360
gctggccgcg acctcaccga ctacctcatg aagat 395

<210> 25204

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H11

<400> 25204

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ttctectect cttggccgcc gccgtcgctc cgcccgagct cagcgtcggg gcggcggtg 180
cctcggggcg ggtcaccgga gccgacttcc ccgcgggggt cgtcttcggc gtcggctcct 240
ccgcgtacca ggtcgaaggt gcagttgcag aggacggaag gaagcctagc atctgggaca 300
cattcacaca tgaaggctat tcccttgaca acgccacagg cgatgtaact gcggatcagt 360
atcataagta caaggacgac gtaaagcttc tgcagt 396

<210> 25205

<211> 299

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H12

<400> 25205

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 ggacacgaac atgatggggg gaaaggcgct cggctgtgct cctcttctcc tcctcttggc 120
 cgccgcgctc gctccggccg agctcaccgt cggggcgggcg gttgcctagg gcgcggtcac 180
 ccggggccgac ttcccccccg ggttcgtctt cggcgctcggt tcctccgctg accaggtcga 240
 aggtgcaatt gcaaaggacg gaaggaaccc tagcatttgg gaccattca cacatgaag 299

<210> 25206
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H2

<400> 25206

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 ccgccctccg gcgcctgtgg cggtgacgcg cacatacgct ggagtagcta gctaggcaag 180
 cgagcggtgg tgggtggtcga gcacgtagca caaccagcca tgacgcgccc cgggacgctc 240
 ccgctgggcg tgctgctgct gctggcgggc acaaccaccg tgtccgggca gggccgaccc 300
 gtgacg 306

<210> 25207
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H5

<400> 25207

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 ggcgcaccgg tggaagacta cgaactgcca ccggaagcgt actcccatgc aggagcaagg 120
 tctccgggtc cgggaacgcc gacgggggag gccgtgaaga aggcggatga ggtggtgagc 180

accatgctgg ccaggggctt cgtgctgagc aaggacgcgc tgcggcgcgc acagtccttc 240
gacggccggc accagcagct gctgtccacg gccacggcgc ggggtggcgtc gctggaccga 300
cgactgggcc tcagcgacaa gttca 325

<210> 25208
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H6

<400> 25208

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tctttttccc gaccccccta ctacgttcag taacgtggc gtcgtcgtcg ttaagtgcgg 120
cggcctaaaa catatgtaat ttgatgctgg tcgggtgtgt ctgtcagtcg atagactgga 180
cgcatgccga cttcatgcgg acctagcgcg tgtgcttctt ttcgggtgtg cctcatgcgg 240
cgtggcacat gtcttgagac cgtgggatgg aacggctcgt tgagaggcac gcgtgtaggg 300
cagcctatat atatgattct ataacatgct aaatttgtgc ttctttatta ctatatatat 360
agccattcat cattcaattc actaggaaca 390

<210> 25209
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H8

<400> 25209

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tgtttctgtg tgcagctgtt atggctggcc tatcaatact cggattcttg ttctcogtac 120
tggtgttgcg gtttcttgtc tccctactgg tgatcgctgc ttggatcctt ctcaccaata 180
ccatcatcag ttctggtctt ttctctctct tgcacaacgt ggtggcggac acgtgcgtcg 240
cgatgggcga ttgggtggcg caccgcagg cgcacacggc gctggacgac atcctcccg 300
gcgtggacgt ggccacggcg aacgagtcgc tgtaccggaa ccaggaggtg acgtcgcatc 360
tggtggcgct ggtgaacaac gtcgtcgtca acatctctaa ccggaac 407

<210> 25210
 <211> 312
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-H9

<400> 25210

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ttgggatttg tctcgtctgt ccgctccgct cccctacat ttctttgctg tttagtagat   180
aattctagat ttacagaaaa gacaaagttt actcttttct ggatcatatg ttttgtgcta   240
cttattgctg ttctggccgc attgggccag catgcagtta ttcacggggt caacctgaca   300
agcgtgggt gc                                                         312

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<210> 25211
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G2

<400> 25211

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gaccggaacc gtgtgaccgc ccgtgccgcc ggcgatcccg atccgccgac ccgtcccagc   120
cccgtcgcga gccatgtcgc cgtcggagcc gacgcgggag gagagcgtgt acatggccaa   180
gcttgccggag caggcggagc ggtacgagga gatggtcgag ttcattggagc gcgtcgcgcg   240
ctacgcccgg gggcgccggc ggcggggagg agctctcggt ggaggagcgc aacctgctgt   300
ccgtcgcta caagaacgtc atcggcgccc gcagggcctt cgggcggatc atctcctcca   360
tcgag                                                         365

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<210> 25212
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E9

<400> 25212

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tgatcaggtg tgggctactt catgattcag atcgctgcta gcatgaccaa gatttacatg 120
gtgcttcaac ttgtcaatgg gggcagaact gttcgactgg attaaaacat acaagatgca 180
aatatggagg aacaacaatc ttccttggtg gatggactta aaactccac tactgtggct 240
gatcaagaat tcacagtcgt ggagtgcttg tccaatcatg agtatcactc gcagactctt 300
ggatatgtaa ttggtggaac taacatgaga tgcgacacct accatctcac atgaaggatc 360
aatctcttaa ttgccacact ggac 384

<210> 25213

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F1

<400> 25213

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gagttgggat ttccatccag ctgctagcgg cctcctact cttggagctt gtgtcgctag 120
tgccggggggc gtcatgcgag gagttgccct tggatttttg ggtgagtga ctacgggggg 180
tcgggggcaaa ggacgtttca acagccgatg gatgcaccaa taagaataag gacaccgtgc 240
tctgctctgc ccaggctaac acggtaacca atttcatcaa ccctaccaac tctgagggaac 300
aaggctatag gaccatcggg gagtccatcg gtaacatccc tgatgatagc accaaacggg 360
tca 363

<210> 25214

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F10

<400> 25214

acatgttcac gcaatccatg atttacattt accagtagat gccgtcaaaa taagcgtggg 60

ttgatgtaag gtcaccatcg gtttgcccaa cgtaccgatg ctcgacctgt aacaatactg 120
catcgccaat ctccgtgccg aatctatagt actgatggaa catattccgg tatgctcgca 180
agaactactc aaacaacaag attctgagcc gtctcgaaat tgtacacgga aaggctggca 240
gctacacatg gctcacttac aagcagctat actacaccgt gctcaatgtt aggtctgcca 300
t 301

<210> 25215
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F12

<400> 25215

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actgcgaggc tatcgctccc taccacttcg acttgagcgg caaggccttc ggctccctgg 120
caaagcccgg gctcaacgac aagattcgcc actgcggcat catggacgtc gagttcagaa 180
gggtgcgatg caagtacccc gccgggcaga agatcgtgtt ccacatcgag aaggctctgca 240
accccaacta cctggccgtg ctggtgaagt atgtggcgga cgacggcgac atcgagctga 300
tggaaatcca agacaagttg tcggctgagt ggaagcccat gaagctctat tggggcgcca 360
tctggaggat ggacactgcc aaggcgctca agggcccctt tt 402

<210> 25216
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F2

<400> 25216

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aaggcgatat ttaaatacaca tgtgctgagg gtgcacaaat ccaaatttgc acagtttata 120
atgttttatg cttgttcctt gcacctgag attggcgatg gctttgctaa ttttcttact 180
gatattttta ttgacaagga caaaaacgag gatgcaatta ctagagtgtc tgcagtttca 240
tatgttgga gctatctgtc ccgggcaagg ttcatttccg taaatatagt tgtttctgta 300

ctcaaaaggc tagtggactg gtgtgattat tattgtggcc atcagctgga caatgggggtg 360
acagcaaatc ctataaagca ccagctatct tatgctagct gccaggctgt gatgtatgtt 420
ctatgcttt 429

<210> 25217
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F3

<400> 25217

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aggtgaaaga aatgagtcag ttatctctca tgaggactgt ggagagctgg ttgaggaaag 120
aaagagacga ggacaggagg aggagaaagg agcgaaagga gaaaggcctc ccagaattcg 180
acaaggttgt cgagggtagt cgggttatag gtgatccagc aaagaacgca gacagagtta 240
taaacaacgg gtgggcagct ggacggctta cctcgacgat tgcaggagag gaaaatttcg 300
tcttcagctc taacagcgta cttaggcaat gatctagttt tggtttcctt tatctataca 360
ttggaaacgg taataatagt cttgcggatc caatagagat atcgtggggg cttgggcatt 420
tata 424

<210> 25218
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F4

<400> 25218

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ggtgcgtcgt gcatggtgag aaggaagagt caaagggcat cgatgcgaaa gcgtccgggc 120
ctggtggggtc cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180
cgaaggctgt gcaggaggca tgggcatcgg cgtgcggcgg cactgggaag cagacaatcc 240
tcatacccaa gggcgacttc cttgtcggac aactcaactt cacaggccct tgcaagggcg 300
acgtgaccat ccagggtgat ggcaatctgc tggcgaccac ggacctaacg cagtacaagg 360

aacatggtaa ttggatcgag attctacgcg tggataacct ggtcatcacc gggcagggga 420

a 421

<210> 25219

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F5

<400> 25219

cagaaatcaa taccgaaaa gtggtcggca catacggta tatgtctccg gagtatgcaa 60

gggatgggat cttctctgtc aagtcggacg tattcagcta tggagtattg ctgctggaaa 120

tcgtcagcgg taggaggaac agaggagtgt attcctattc aaacaaccaa agccttctag 180

gccatgcatg gagcttgtgg aacgaggaga agagcataga gctagcagac gaaagaatga 240

atgggtcgtt caactcggac gaagtgcaga agtgcacag agttgggctc ttgtgcgtgc 300

aggagaacct agacgacct cgcgtgatgt ctgaggtgct tctgatgctg gctagtaccg 360

atgccacctc actgccaact cctaagcaac ctggcttcgc cgctaggaga gttctgatgg 420

aaacagaca 429

<210> 25220

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F6

<400> 25220

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cagtaatagt cctgaaggag tgccagtagt gacttctgct gatgacctc cgacctgtgc 180

caatattcca tttctctgca attcagttga tgaaacctgt gaagccacag ggggcggcag 240

tgctcccttg gagggtcaga tatgtacggg tttctccaag ttgatcagct tggaggtgaa 300

gaaaggcctc cagaagtgtg cgacgttccc acctcatct ggtcagcctc agcaggagga 360

ttgttcatgc tgccatgtat gtgacgggct cacgtgtgct 400

<210> 25221
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-F7

<400> 25221

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gcttccangc cgcgcgcctc caccgcgttg tctccttctg cgccagctcg agggcactat 120
ccatcaggat tgcacagtgc ttntgctga acgggcttat cttccttggg agcttgctta 180
cacttacatc ggtggtcatt ccaactctac tgtggatact acctgagcga tgcaatcaag 240
cagcaggaca tctttgtaac ccaggcaag cctatctaac tattcaatct tgcgcttcgg 300
gcttggtgag attttttatg tattatgggt ttatccactt tatgtcttca gcttcatatt 360
aaggaccatt tgggataatg acattgccaa gcatgcatgg gatgttgtga aagtaagagc 420
ctagtttgac ttaatcactg gatgctcacc acgtaactga aacaaa 466

<210> 25222
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F8

<400> 25222

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gaataaatat aaaaaaaaaa aaaaaaaaaa aaaataatta taaaaaaaaa aaaaaaacac 120
tattcataat cataac 136

<210> 25223
<211> 391
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-F9

<400> 25223

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 ggcgaggggt gggaggggaa ggaggaggan cgtccgcctg ggcgccaaca agttctcgga 120
 gcgccagccc atcggcacgg cggcgcaggg cacggacgac aaggactaca aggagcccc 180
 gccggcgccg ctcttcgagc ccggggagct caagtcttg tcttctacc gcgccggcat 240
 cgccgagttc gtcgccacct tctcttctct ctacatctcc atcttcaccg tcatgggcgt 300
 ctccaagtcc acctccaagt gcgccaccgt cggcatccag ggcctgcct ggtccttcgg 360
 cggcatgata ttcgccctcg tctactgcac c 391

<210> 25224
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G10

<400> 25224

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 tattcattaa ctttaagcata ctctctttttt tatttaatat gttgatatta attaaatatc 180
 tatttttttta gatttttgca aagggtttcat ttacgcctaa tccatatcga gtagaccctg 240
 tcgatgtgag aattcttaat tcatgagttg tatggaggga cttatgtcac cacaacacaga 300
 aactaaagca agtggttgat ttaaagctgg tgtaaggat tataaattga cttactacac 360
 cccggagtac gaaaccaagg atactgatat c 391

<210> 25225
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G11

<400> 25225

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 gtaggactag gagaggatcc gagggagaga gagtaaggcc aagatgatgc gcgcgaaccg 180

ggagcagaga gtggccttct cgtcgacgaa ggaggccgac gcggtgcca aggaggaggt 240
 gtgggaggtc cgccccggcg ggatgctggt gcagaagcgg agccccgacg cggacccacc 300
 ccccgccggc gcgcccgtgc ccaccatccg cctcaaggtc aagttcaacg gcgtctacca 360
 cgagatctac atcaactccc aggcacacct tggcgagct 399

<210> 25226
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G12

<400> 25226

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 ggggtacgggc cacggtgatg ttggctgcgc tgttcgcggt tggtttctgc accaccccg 120
 tcaccttcca cgtcggcaag ggatccaagc ctggccacct gatcctcacc cccaacgttg 180
 ccaccatata cgatgtggag atcaaagagc acggtggtga tgacttctcc tttacgctca 240
 aggagggccc gactggcacg tggacgctcg acaccaaggc cccactcaag taccctcttt 300
 gcatecgctt tgctgtcaag tctggcggct accgcatcgc ctacgacgtc atccccgccg 360
 atttcaaggc tggcaccacc tataagacca cactcagcca attt 404

<210> 25227
 <211> 437
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-E8

<400> 25227

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 gtccttgccg cgcttgctgt cgccggggtcg tgcgggcccc cgaagggtgcc gcccgcccc 120
 aacatcacca ccaactacaa cggcaagtgg ctaccgcca gggccacctg gtacggtcag 180
 cccaacggtg ccggcgctcc tgacaacggc ggtgcgtgcg ggatcaagaa cgtgaacctg 240
 ccaccctaca gcggcatgac ggcgtgcggc aacgtccnca tcttcaagga cggcaaagg 300
 ctgtgggtca tgctacgagg tgagatgcaa ggaaaaacct gagtgctcgg gcaatcctgt 360

cacggtgttc atcacagaca tgaactacga gcctatcgct ccctaccact tcgacttgag 420
 cggcaaggcc ttcggtt 437

<210> 25228
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D12

<400> 25228

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 ggctccgtgc gagcagacga aacaagggtt ttctgctgct gctcttgact tgcaaacaca 120
 ctgcccgggt ggctgcaccc tgctggtctc gaccccggtg ccgaaacctg ctgcgatcc 180
 gtgatccgct gcgagggttt cagcgccgac ggccccgttt ctgggcatgt gagctcacat 240
 ggggtggacaa acggagttca agggagggag atttggtcca gtccagacca gacacggcca 300
 cgaccaaacc aattctccgt gggcgctccg acgtgcctgc acgggtcagt ctgaagagaa 360
 atctgggact cggcactccc gagtgcagag cgtagcc 397

<210> 25229
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D2

<400> 25229

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 cgggacccgg ccttcacgca cgccaacggc tacttctcct cctccgcctc cccgaactcc 120
 aacaacggct acttctctcc cgtcttcgcg aagaatgacg ctttccctgg gaccggcgct 180
 ggcgcaggcg gcgaccggcg gatcgagatc tacaccacgg cgctcctcc gcacctcccg 240
 ccgccacccg gccacacgct ggcgctgccc ccgccgacgg ggtggaagga ggggcgactg 300
 ggtggaggtg gaggcggcgg cggcggcggc aggaaagcgg gaggtggtgg gggc 354

<210> 25230
 <211> 325

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D4

 <400> 25230

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 ggaggagcag tctaccacgc taaacatgaa gccggagaaa gcgtgtacag taccggaatc 120
 catcaccatg gcgggatcag cgttgc tcaa cgtctcgtc ctccgcgcgc catccgcgtc 180
 gatctcgtgc tcgtctaagg tccgcaacgc cggcgccctt gtgttctcga acccaccgcg 240
 cttcccatcc ctgcgttctg agcgccgcgt cgccttccg cgggcggagg cggtcggtga 300
 ccctgaggac gagtgggtgc cggag 325

<210> 25231
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D5

 <400> 25231

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 aaggtggcag aagaggagta cgacgagaag aaggtggcag cgaccccgca gccggccgcc 120
 aaagcacagg tgggtgggatg gccaccagtc tgcaactacc gcaagaacac gatgactacc 180
 acccagctgg agggcagcaa ggaggatggt gatgccaagc agggtcagggt gttcctgtac 240
 gtcaaggcca gcatggatgg cgcgccttac ctgaggaaga tcgacctta gacttacaag 300
 aactacaagg acctgtcgac cgcgcttgag aagatgttca gtggcttcag tactggcaag 360
 gaccgtcat ctgagtaccg catggatggt gaatatgttc tgacttacga tgaccaggat 420
 ggaaattgga tgcttgcgcg cgacgt 446

<210> 25232
 <211> 458
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D6

 <400> 25232

cggacgcgtg gggtcggagc agagagagac ttctctgcct ccatcccatc ccgccgccgg 60
 cgtctctacg gtcgctaata agcagccgca tccagggatg gagatgaaga agatcgcttg 120
 cgccgtcctc atcgccgcct cggccaccgt ggcgctggcc gcggaggcgc cggctccgtc 180
 tcccaccagc ggctcctccg cggtcgcacc cgccatcgtc ggggccgccg tggcctcctt 240
 ctctcgctac tacattcact gagccgccgg acgaggagcc ggagccggag ggaagagacc 300
 aagggtggggg gagagacttg gctgcgctgc gctgctctgc tgctcccgcg cattcccgat 360
 gcgtgggcgt gctctgattg ggcacggcgg tggcagtggc acaccttcgt cttccttttg 420
 gttgtttttt tttccttcct ctttctactt gattttca 458

<210> 25233
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-D7

 <400> 25233

cggacgcgtg gggccaactc gatcgatcca tcgcatctct gccttgtatt ttggatgtcg 60
 atccgtgtgg actgttacia aatattacat atgtgaccaa tccaaggggt gcgacagttt 120
 tccccaaagg acacaccctt tgggatacac cccttcactt gtatataagt gtaatgatct 180
 atggaataca atcactgttc tctgcctctc tctttgttac cactgagtaa acttgagtat 240
 acttcaacac gttatcagca ctgcttgcca gatcagagaa aaagacttgt gctaagttcc 300
 ttgttcagat gaacgtggac ttggatcgct acagcatgca acaacggatt ttcttaaaac 360
 anatcgctca taagttggag aaaggatgat gtatggaaac tactcttncct ctccgctttt 420
 cgctgtctgc tgtctgcgtg taattttata 450

<210> 25234
 <211> 441
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D8

 <400> 25234

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 ttgcccattg tgggtggaagg cgggtgccagt ttccagactg cacaagggt gctcagggaa 120
 gcacaaagtt ctgcaaggca catggtggag gaaagcgctg cacattcgctc ggatgcacca 180
 gaggggctga aggcagcact tcattttgta agggccatgg tggaggcaag cgctgtgcct 240
 ttcagggcgg tggcgtgtgc ccaaagagcg tgcattgggg cactcagtat tgtgttgac 300
 atggtggtgg gaaaagggtgt gctagctttg gttgcactaa gattgctaga gggcgcacag 360
 agtattgtgt gcgccatgga ggtggcaaga ggtgcaagtt cgagagctgc accaagagtg 420
 cgcaggggag cactgatttc t 441

<210> 25235
 <211> 305
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-E1
 <400> 25235

cccacgcgtc cgcccacgcg tccggaaggt catcgccaaa gacgtcatcc cggcgaactg 60
 gagacgcgat gccgtctaca cttgcaacgt ccaattctac tagactttga attcccttcg 120
 attcatccgg cacagcgggc tatggacctt cagcagcaag ctaattaagt tggcagcatg 180
 caccgctaac cttatatact actgagactt ccaaattcta gtatatgtaa tccttttggt 240
 cgggttcatg atcgaattcc aaagagtgga aaacaagcaa aaggttaaat atacatgcca 300
 ttttt 305

<210> 25236
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-E10
 <400> 25236

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 cagggggagg atggttgac cctcgcggac tacaacatcc agaacgagag tacccttcac 120
 ctagatctcc gtctcaggg tagtatgcag atctttgcga agaccctgac tggaaaaacc 180

atcacccctgc aggttgagag ctcgacaccc atcaacaatg ttaaggctaa tatccaggac 240
aatgaggtca tccccccgaa ccagcagcgt ctgatcttcg acagcaaaca gatggaggat 300
ggcaccacct tagcagacta caacatccac aaggagagca ctctccacct tgcgctccag 360
ctccttggtg accactaagt catgg 385

<210> 25237
<211> 391
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-E11
<400> 25237

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gggcttactt actccataag cacacgcgtt tccaacgagc ttggcgctgg gcagcctcag 120
gccgcgaaga tggcagcaaa ggtagtcatg tacatggctt tgtctgaagg actcgttata 180
tccttgacga tgaccctgct acgcaacatt tgggggtacg tgtacagcga cgaggaggag 240
atcgtgacgt acatctctaa gatgttgccg atcctcgga tctcttctt catagatggg 300
ctccatagct ctctttcagg ggtgctcaca ggctgcggaa agcagaagat cggcgcgggc 360
gttaatctcg gagcgttcta cttgctagga a 391

<210> 25238
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-E12
<400> 25238

agaacgcctg ccgtcgagct agcactctag caattccacc caataactaa taacatctcc 60
gcgaaggcca ggttccttgg accactatat ccaggagcga cgaagtgatc caccgcag 120
ccatggagat gaagaaggtc ctctgcgcgc cctcgtcgc cgccgtctcg gccaccgacg 180
tgctggccta ggtcgctcc gaggcgcctc tcgaggcgcc cgccggcgcg gccggtggtg 240
cggctggccc tagcgcaagc ggcgcgcgac acgtcgccgt gcccgacgcc gggcgctcg 300
tcgcctactt cctcgactac tacctccact gagcgacgac gcgcggggcg gcaacgatgg 360

gatgcatcgt gtttgatca tccgatt

387

<210> 25239
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E2

<400> 25239

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gaaaggtggg gttttcctac atataactgg gaggagatgt caaaggataa ttatgggtgg 120
tggcgagctc gtctgacaca gatggcaaag tacttcacag catacaggat agaccacatc 180
ttgggtttct ttaggatatg ggagcttcca gatcatgctg caacaggttt agttgggaaa 240
tttagacctt ccaccctct tagtcaggag gagcttctaa gtgaaggctc atgggatttt 300
aatctgatga gcccaaccata cattctgcag gaaatactgg aagagagggt ggatcctctt 360
gacagtcac 369

<210> 25240
<211> 216
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E3

<400> 25240

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gggtcgaggt tgatgatgat catgccaggc ctgaaatcga agttctcctt gacaatcttg 120
aggatctcct tgccggagat cgcgccagtg ccgtacgtgt cgactaacac tgacagaggc 180
tcgggcactc cattggctta agacacctgg accatg 216

<210> 25241
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E4

<400> 25241

cggacgcgtg ggttcgaata acacaggtga gcgcgacgat gggatccctc gctaataaca 60
 gcatggtcgt gggcgccgtc cttgcccgc tcgtcgccgg cgggtcgtgc gggccccga 120
 aggtgccacc cggccccaac atcaccacca actacaacgg caagtggctc accgctaggg 180
 ccacctggta cggtcagccc aacgggtgccg gcgctcctga caacggcggt gcgtgcccga 240
 tcaagaacgt gaacctgcca ccctacagcg gcatgacggc gtgcggcaac gtccccatct 300
 tcaaggacgg caagggctgc ggctcatgct acgaggtgag atgcaaggaa aaacctgagt 360
 gcttcggcaa tccaatcacg gtgtacatca ctgacatgaa ctacgagcct attgctcct 420
 ac 422

<210> 25242
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-E7
 <400> 25242

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 gtccctggcct ccagcggcgg gcgcgagttc gtggccggcg gggcggcggt catggcgggc 120
 gtgctggcgg gccacccgct cgacacgctc cgcacccgcc tccagcagcc gcccgccgcg 180
 ggcgcaccac gcccgccgga cgcgcacccc tcagccccgc gcctcctacg cggcctcctc 240
 cgcgcgcagg gccctcgcgc gctctaccgc ggcattggcg cgcgcctcgc ctccgtcgcc 300
 ttccagaacg cgatggtgtt ccaggtgtat gcggtcctgt cgcggtcgtc gggccccgtc 360
 accttcgagc cgtcgttcta cgcgagcgtg gcgc 394

<210> 25243
 <211> 387
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-D11
 <400> 25243

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 atttattggc ggggtgatag cagatcacct gtcaaagtac ttcccagatt cggcacgggt 120

catgtgtgcc cagtttagtg ccttcatggg catcccgatt tcttggatcc tcttcacagt 180
catcccccag tcagttgact actggtatgc ctccgccgtc acgcttttct tcatgggcat 240
cacgataagc tggtagcgca cctcgacaaa caaccccatg ttcgctgagg tggteccctcc 300
caagcaccgg accatgatct acgccttcga ccgtgcgttc tacggctcat tcgcctcggt 360
ggctggccct gcagtgcgcc taatcac 387

<210> 25244
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B6

<400> 25244

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gtcgccgagg ccttgccggt gccgcagacg gccatggacc tgcgaagggtg cccttgtgga 120
aagatccgtt gagcccgagc aagtggaagg aagagcactt tgttctagca agcctctcta 180
tgtggggggc tcttttttat ggtggtttca agttttttgg tggaaagaag gaagacaaga 240
ttgaggtggc atcaggacag acataggtgg ctgggatggg agttcttgcc tatttctgtg 300
gccaggcaac aatgttaaataaaaaggaatg tggtatattg tgctttcaag atgataaatt 360
gtggcaacca ggttttgatt atgtatgcaa tattttgaca agctactctt atccagcatg 420
aatgacttca tgtagtgcg attgagtaga tggtttactt ct 462

<210> 25245
<211> 77
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B7

<400> 25245

gggacgcgtg ggcggacgcg tgggttctcg ttcatggaga ataatatattg gtgttgagg 60
gtttactaaa acttatt 77

<210> 25246
<211> 385
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B8

<400> 25246

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gctttgtcaa ccattatcac agagaacaca gaagtcgcaa ctgtttccct ttcagatcca 120

gtttgtgtag cagcacggaa aatgcgtgag ttacaagtta attcagtcatt tattactgct 180

ggaaatttgc ttgatgggat ctttacccca agggatgtgc tgatgcgtgt tgtggcccaa 240

aatctttctc ctgagttaac tctagtagaa aaggtaatga ctgcacaccc tgactgtgct 300

acattggaca caacaatcct tgatgcacta catatgatgc atgatggcaa attctggcat 360

attcctgttc ttgatggaga tgggc 385

<210> 25247

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B9

<400> 25247

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gtgagcgccg ccgtggtgac caccatcggt gcccgcgccg cgatcgccag gcccaatgct 120

ctagggctgc ctgcgttgag ggcgaggagc gagagggtgc ggtgcagcta cgccaaggat 180

gccaagaacg cggccccagt cagcaccaag ggcgcaggcg cgtcgtgct cgccgcagcg 240

ggcgcggtga ccgcgtcggc gggggccgcg ctggcgctcg tggacgagcg catgtccacg 300

gagggcaccg ggctgagcct cgggctcagc aacaacctgc tggggtggat cctcctgggg 360

gtcttcggcc tcatctggtc cctctacacc atctacacct c 401

<210> 25248

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C10

<400> 25248

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 acttttgtct tctgaggggc aatcatgaat gcgcctcaat aaacagaata tatggattct 120
 atgatgaatg caagcgtcga tttaatgtgc ggctatggaa ggtcttcaca gaatgtttta 180
 acactctacc tgtggctgct cttatcgatg ataaaatatt atgtatgcac ggtggactct 240
 ctctgatct agcacacttg gatgagataa agaacttgca gcgtccaact gatgtaccag 300
 atcaaggtct actgtgtgac ttgctttggt cagatccagg aaaagatgct caaggggtggg 360
 gcatgaatga tagaggggtc tcatatacct ttggtg 396

<210> 25249
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C11

<400> 25249

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 tcaacaatag cagctgtgga aggcataaac cagattgtta caggcgactt gatctcctta 180
 tctgagcaag agcttgtcga ctgtgatact tcgtacaatc aggggtgcaa tggagggtctg 240
 atggactatg cgtttgagtt catcatcaac aatggcggaa tcgacaccga gaaggattac 300
 ccttacaagg gcacggacgg acggtgtgat gtcaacagga aaaacgcgaa ggttgtcact 360
 attgacagct acgaagatat accagcgaac gatgaga 397

<210> 25250
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C12

<400> 25250

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 gtgctgcgcy tctccctccc ccgcctccg cctccgcccc ggcaaaaagc aaaacacggc 120
 catggaaggc tacgaccgcy agttctacca gttcagcgac cagctgcgcc tgcagacggc 180

cgcttctcg ggctctccc tcggcgactc catctgggtcc cccgccggcc ggcgcaacaa 240
cagcaacgac gtcctcttcg ccgcctccgc gtcgcccgcg gacgccgccg ccaagagcaa 300
cgccgtcgtc gggctcaagc tcaacgacgg agggcccggc ctcatcggct ccgggaagct 360
ggccttcggc ggcgccggag ggcggggcac caacaa 396

<210> 25251
<211> 290
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-C2
<400> 25251

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gccagcgatc ggcctgctt ccggggcgctc cagccttggg ccggtcgccg ggtgcggcgc 120
tggtcctggg ttgggtcttc ccatggcatc tctggagcac gaggtggtgg tcgccatggc 180
atctctggag caggaggcgg tggtcgccgc ggtcgtcgtg gagaacgtga cgccgtagca 240
gcaaggcgga agttgtggcg gcgcacgagg aggaggggat accggtagcg 290

<210> 25252
<211> 419
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-C3
<400> 25252

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gggatgtgct agccccggtg ccagcgctcc gaacgaagag agcaaccctg cgactgcgag 120
caagaggccg tatctcgaga ggaactactc cgtgctggaa ccttcagaag ggagccagct 180
cgtcgacgac gtggaagggg aaagctctat cgagaacgtg ggaaacagct tgagatcaac 240
aagaaggcga tggccgctct ttacaaggag cttgaggaag aacggagcgc ttcggcggtc 300
gcggctagcc agacgatggc catgatcaat aggctgcagg atgagaatgc tgcaatgcag 360
atggaggctc tgcattacct gaggatgatg gaacatcatg ctgaccacga ccacctggc 419

<210> 25253

<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C5

<400> 25253

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gggcgcaagc gcaactgata ccgcacacgg gtgatgttcc acatccatgc ctataggcca 120
ctcacctcac cacgcagcgt taccggccgt actactatat ctacatacga ccgtgggaca 180
acgtcgaccg gagctcgatc ggccgagttg ccgcattggc gtggctgtca aagttccttt 240
gtttctttct tgatttgtgc ttgcgttggg ttccgtgttc cactttcttt ttatgtgatt 300
attaatcttg ttttcagatg catgtacgca tgtatgtgcc ggcaccattt ggtcttgtgt 360
taagtttatt cttggattcc aatctctagt gtagggctgt ttggtttgtg tgtgcaatgt 420
gtactcatac caacttctgt ctttacatca gtatttatta agaaatagca at 472

<210> 25254
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C6

<400> 25254

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gacgacaacg ttggcaggag gaagaagcat gacgatccct atgttcctat ccctgctcat 180
gtttataatt ttggacctag ccggttccca gcccacccc ctgtcatctc cactggcaga 240
gctcagccaa ttgcagtacc ggccattcat ctggaagagc tgaaggaaat tacaaaaaac 300
ttcagcagtg atgccctcat tggcgagggc tcgtatgccg gactctatct tgggtgtgctg 360
aaagatggga cgaaatctgc agtgaagaag cttgactcca gcaaacagcc tgatcaagaa 420
ttccttgtgc aggtttcagc tgtctcaagg ttgaaacatg agaatgttgt 470

<210> 25255
<211> 447
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-C7

<400> 25255

cttgtttgcg cctcgccgtt gattgatgcy ctcactcatc tcacatgggt gggactcttt 60
gctcttggag caccacctgt ctagtgggag ctactccagc ctctagacac caactccagc 120
gcccccgat ggaacaacaa ctccaccctc actgtctgga cagcaagatt cattcacctg 180
tcatatagtt tcatcgatga atctgaaact tttattgctc ctgtgttgcc cctatccaaa 240
ggatcatgttc cttggatcaa ctgtaagggtg aaccttttat cctgatatta tgatgtgggt 300
atgtattcta tgtttctaac agtaggagta cattctaaag atcatagggt agaaatcttg 360
cgccataaga tagctgctaa agaaaatgaa ctaaaagggtc aaaagagacc tttgggtcgt 420
gntgctacca agaatgcaga tttttct 447

<210> 25256

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C8

<400> 25256

cccacgcgtg cgcggacgcy tgcgcagact cgtgggtgga aatccaggac aagttgacgg 60
gtgagtggaa gccatgaag ctctcttggg gcgccatctg gaggatggac actgccaaag 120
gcgctcaagg gccccttctg catccgcctt accagcgagt ccggcaagaa ggtcatcgcc 180
aaagacgtca tcccggcgaa ctggagaccc gatgccgtct acacttgcaa cgtccaataa 240
tactagactt tgaattacct tcgattcatc cggcacagcy ggctatggac cttcagcagc 300
aagctaatta agttggcagc atgcaccgct aacctaatat actactgaga cttccaaatt 360
ctagaatatg caatcctttt gttcagattc atgatcgaat tccaaagagt ggaaaacaag 420
cacaaggtta aatatacatg ccatttttgg aggctttttt 460

<210> 25257

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C9

<400> 25257

gcttttcgagg ctagggttgc ctctctctcg tcgtcgtcca catggcgcgga atcctcatgc 60
ggctcctcct cctcgccgcg gcggcgggcg tggcgggcg ggacggctgc ctcaactccg 120
gctgctgcgc gctgggctcc tacctcgtcg cccgggacca gaacctcacc tacatcgcca 180
gcctcttcgg caaaaacgac taccacacgc tggcgcccta caaccccggc accaccaacc 240
tggactacat ccaggccggc cagagcgtca acatctcctt cacctgcgac tgccacacgt 300
tccccaaactc ggacgccacc tacctcggcg gctccttcca gcac 344

<210> 25258

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D1

<400> 25258

atcgcgagcg gtcgctcgcg atctagaact agcggacgcg tgggcagtgg tccacgtggc 60
gatcactgga tgtgggattc tcgcctatct aactatggga actgggaagt tttaagattt 120
cttctctcca atgctagatg gtggctcgag gaatataagt ttgatggttt ccgttttgat 180
gggtgtgacct ccatgatgta cactcaccac ggattacaag taacatttac ggtgaacttc 240
aatgagtatt ttggctttgc caccgatgta gatgcagtgg ttactttgat gctggtaaatt 300
gatctaattc atggacttta tcctgaggct gtaaccattg gtgaagatgt tagtggaatg 360
cctacatttg ccctttctgt tcacgatggt gggggtaggg ttgactatc cggatgcata 420
t 421

<210> 25259

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D10

<400> 25259

acgcgtacgc ctgtgctgac gcttgtgaaa aattataatt atacatcaac aaaataaata 60

taaagtaatg gaaaaaaaaat aaaaaaaaaa aaaaaaacca aacctttttaa aaaatccaaa 120
cattcatact actttctttc aacctcatat ttttacttta ctattaccta ctttcattta 180
actactcccg ctttttcaac ctaattcact ggtaaaaccc ttcttttccc caatttaatc 240
tccttctatt acatcccctt ttctcaattt ggctctttt ctatcaaccc ctctcctttc 300
gactttccca ccctttcccc actetaattc ctcaattgta ,ctccccctt 349

<210> 25260
<211> 181
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B4

<400> 25260

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tgctgggttg acctcttgct ctctggacca cctccaaggc tcttggtgta gcttgccact 120
ctcaccaatc aagttttcat gtctgatctc gacattcaga tcccaactgg ctctgatccc 180
t 181

<210> 25261
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A1

<400> 25261

cctgcatcac caccaaactc aacaacagcc agctcgcgaa aataatgaag agccgcagca 60
tggcatcacc ggccgcgctc ttggtgctag ccctcgcgct agtggcggcc accgccccac 120
aggtagcgga ggcaaagaag aagagagcgg cggagagcgg cgaggcgggc gaggcgaaga 180
agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg gacctggctc 240
tgtgcaagga gtcctgcgcg ctctcccagc agtccaacct ggtgctgtac ggcaggatcc 300
agtgcaggga caagtgcacc gagcagaagg gcatcacggc gccggccatg aaggtctgcc 360
aagaggagtg cgacaaggcg tacgtggtga aggcggccga ggtcacc 407

<210> 25262
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-A11

 <400> 25262

 atccggagca gccgcagtc caccgacccc tccgccggtc gccctccatc tctcgccgg 60
 ggctgtcgt ttctcttttc aataatcaag atgagccgtg gtggtagtgc cgggtggtgg 120
 caaagttctc tgggttatct ctttgaagc ggtgagcccc ccaaaccagc agtggcacca 180
 gctgcaagtg ctccacctgt tgagaaacca tctgctgcaa agactgatgc ggccaagcat 240
 gttgctgctt gggttaccag ccaaaccaat aactaccaca aggtgatgg tcagaacact 300
 ggcaacttcc ttacggaccg tcttcaacc aaggtccacg ctgctcctgg cgggtggctct 360
 tccctgggct acctgttcgg tggcaactga tgcccgtgct 400

<210> 25263
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-A12

 <400> 25263

 acgcccacgc gtccgggggtt gttctaggtg gactgaagga atatctcaag acaattaggc 60
 gctgtataag ggtggtatct attggttgtg gaacaagta caatgctgcc ttagctgcaa 120
 gaccttttgt ggaagaactg actggtattc ctgtgactat ggagggttga agtgacttgc 180
 tggacagaca aggtcccatc tacagagaag aactgcagt ttttgttagt caatctgggg 240
 agacagcaga taccctactt gctctagatt atgcactaga aaatggagct ctctgtgttg 300
 gcataacaaa tactgttga agcacgctgt ctagaaaaac aactgtgggt gttcatatca 360
 atgctggttg tgagattggg gttgccagta c 391

<210> 25264
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-A2

<400> 25264

ttcctcacia cctcaccggt ctccatccac gcgggtccaa cgccagccac agcacgagcc 60
atggactcgc gcgtcgtgga cggcgcaggt gggggtgccg acgcctcctt gccggccgat 120
ccgccgagcc ccgtgcccga tccggccgcg ggcgggatgg atgcgcgcct gccatcggac 180
ctgcttcgtg cagtgtctga aaggctgccg ccgatcgacc tcgcgcggtc cgcttgcgtc 240
tgccgagcgt ggcgcgcggt tgctccgac cgcgccgtgg tcgaggccgc cttctgtgcg 300
ccctggggag tgcggcgcgt cgtcggagag ccggcgacgg tggccttctg gcggggccgcc 360
taccttggga gatttgcgt gtcgcgtgcg atccgncgcg gggata 406

<210> 25265

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-A3

<400> 25265

gtggaactca cttcagactt tgtgtatccc tacagaaacc agggcggatt cgatatgac 60
gtgcagtgga agggacaaga ttgaaacacc ggagcagttc aagcaagctg aagacacagc 120
caacaagctt gatttggatg gacttgttgt cattggtggt gatgattcaa acaccaatgc 180
ctgccttctt ggtgaatact ttaggtcaag gaacctgaag actcgtgtta ttggttgccc 240
aaagactatc gatggagatc tgaaatgtaa ggaggtacca acaagctttg gatttgatac 300
tgcttgcaag atatactccg aaatgattgg caatgttatg actgatgcaa gatccacagg 360
anaatactac cactttgtga ggcttatggg tcgtgctgct tctcacatta cattggaatg 420
cgctttggan acacacccca at 442

<210> 25266

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A4

<400> 25266

cgtggatggc ggtgccacaa cctctcctgc tgtcgtctgt ggtcgccgtg ctagcgggtgg 60
 gcggcgatgt cgccaacgcc ggccacgcca agccccctaac gcctggcggg cgcggtggtac 120
 acgacaacca cggcaagtgc acggccgggc cgtggaaacc cgcccacgca accttctacg 180
 gcgggctga cgggtccggc accacggcgg gcgctgcgg gtacaaggac acgcgcacgc 240
 aggggtacgg cgtgcagacg gtggccgtga gactgtgtgt gttcgggtgac ggcgcgggct 300
 gcggagggtg ctacgaggtg cgggtgcgtgg acagccctag cgggtgcaag cccgacgcgg 360
 gaacgctggt ggt 373

<210> 25267
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-A5
 <400> 25267

ctcgcccaaa ttgcaacctt ccccgagtgc tccaggtccc gtggccgggc cccagatcct 60
 gtccaatccc aatccaagta tcgaacggat cccatcggtg gcgctcgagc gagcgagtgc 120
 ggccggaacc gagcgaagat gggcatctcg agcatgccgg cgcccagga cagcctgctg 180
 gggttcgtgc tgtacaacac ggccggcgtc gtggcgatcc tggcggggct ggtgcgcgcc 240
 gcgctgctgt tcctgggcct ggccggcgcg gaggacgagg agccggggca gcaggcggag 300
 gccgtgacgg tcacggccgt gggggccagc ctacaggacc ggttcgggag caggttccgg 360
 ccgtcgcgt acgggcggcg ccggggcggg gactgccgcg tgtgcctggt gcggttcgag 420
 acggagtcgg tggtcagcg ggttcctt 448

<210> 25268
 <211> 473
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-A6
 <400> 25268

gcgatattca gcagaatgaa cattgggacg ctagatgtcg gggattttct cgctattgga 60
 gctatctttt ctgcaacgga ttctgtgtgc acgtgcagg tcctocatca ggatgagacg 120

ccctttctgt acagtctcgt gttcgggtgag ggagtcgtga acgatgccac gtctgttgtg 180
ctcttcaacg cactccagaa cttcgatctt aaccacatcg atgtagccgt tgtgctgaat 240
ttcttgggaa acttctgtta cttattcgtg tcaagcacct tacttggagt gtttactgga 300
ttgctcagtg cctacataat taagaagcta tatataggaa ggcattccac tgaccgtgat 360
gggtgcgtta tgatgctcat ggcttacctc tctacatgc tggccgagct gctagatctg 420
agtggcattc ttaccgtatt cttctgcggc atcgtgatgt cacattacac ctg 473

<210> 25269
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A7

<400> 25269
ggcgggcctc gaggcctccg tccgagccta tggcagcagc gccggcgcag gcggggcgggtg 60
gcccagcccc ttcaccatcg cctgcgggcgc cctgctcgcc ttgtccctgc tcgcgcgcgt 120
gtcccccccg ctgcggtggc tggcgggtggc ggcggcctgc gtgggctccc agcccatgct 180
gctccggggcg ttcgccgcgg cgggcaagct gacgctggac atcaacatcc tgatgctcat 240
cgcggtcgcc gggtccgtgg cgctcgggag cttcacggag gccggcgcca tcgtgttctt 300
cttcaccgtc gccgagtggc tggagacgct ggcgtgcagc aaggccagcg ccgggatgct 360
gtccctcatg tccacggtgc ccaagactgt cgtgctggcc gagacggggc aggtcgctcg 420
catgggc 427

<210> 25270
<211> 470
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-A8

<400> 25270
gtgcctcggc gccatctgcg gcgtcggcct cgtcaaggcg ttccagagcg cctacttcga 60
gagggtacggc ggcggcgcca actcgctcgc ctccggctac tcccggggca ccggcctcgg 120

cgccgagatc atcggcacct tctgtctcgt ctacaccgtc ttctccgcca cggaccccaa 180
gcgcaacgcc cgcgactccc acgtcccggg tctggctccc ctccccatcg gcttcgccgt 240
gttcatgggtg cacctggcca ccatccccgt caccggcacc ggcatacaacc cggccaggag 300
cctggggcgcc gtcgtcatct acaacaagga caagccctgg gacgaccact ggatcttctg 360
gggtgggcccct ctctgtggcg ctgncatcgc ggncttctac caccagtaca tntnccgggc 420
tggcgccatc aaggccctcg gctccttcag gagcaacgcg tgatgagcgg 470

<210> 25271
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B1

<400> 25271
aataaccaat ttattggatc aaaaagaaag tagatgttat cacaggatgg ctacataaac 60
cttctgtgtg aagtaaactg tgagtacgaa gtcaatccct ggaaccagaa aatgcaaaag 120
agatctacgt gcacgaagta gctctgccac tactggactt cactaccacc tttctctcac 180
atcatccgat ttgttctgtt ttccgtaaag tggtgggttcg ctatcagttc aagtcaactgg 240
caggccgtgg ctgtggatca tcaccttcac gaagagaata tcgaaagaat gttctttctta 300
acgatgaatt catcagcttt ggaaggactg attgac 336

<210> 25272
<211> 67
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B11

<400> 25272
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aactagttct 60
agggcgcg 67

<210> 25273
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B12

<400> 25273

cggacgcgtg ggcatgcatg tgtaatgcat tgcttgggat ccaacccaat ctagtatagc 60
gtggcatggg tcggcttaaa gtattgtcag cactaaagtt aattatttgg cgggtgtaggc 120
gggtgttgcc ttccagttgg cagggatgac atcgctcgtag acggacttgg tgcctccctc 180
ggtagtgagg cggacggtga ggggtccctt aagcggtttg tcgctgtcct tcctccagat 240
ggcgccccag gagtgttca gaggtctgta cgtgtcggag cccttctcct tgacgtccac 300
tgccacaatg tcaccgtcgc cgtccacgta cttgaccagc agtgccaggt agttggggcc 360
gcaccccttt tcaaggtgga aggtgacctt ggagtcg 397

<210> 25274

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B2

<400> 25274

ggatgggcct cttaccattc tttcttcaag tgctgatgt aatgatgtag tgtattgtat 60
gaatagataa tgacatttac tgcctagctt aatttttacc actgactatg gtagcagcaa 120
gccactgatg cagcaaatta ttgttgcagt gactagctgc attgtagctg aagctagcag 180
aagcgagcac ataaaaattt ataggcaatt tataccttgt gagttattca tatcatcagc 240
tcatttttcc ttatggattt gtgaatatga atgttgtgga tgcagataat tatgttatgt 300
accctagaa ataccacaat gttgtaacag gtgaactaga gcagagagag aatacattat 360
tccagattaa caaccttttc tt 382

<210> 25275

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B3

<400> 25275

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gcgacgttta caaaggcgag ctgacgccgc tgcagcggca cgtcgccttc ttcgaccgga 120
acaaggacgg cgtcatctac cccgccgaga cataccaagg gttccgcgcg atcggggccg 180
gcgtcacgtt gtctgccttc agctccgtct tcatcaacgg cctccttga cccaagacca 240
taccggagaa cgagaaggct ccagctttca agctcccat ctacgtgaag aacatccaaa 300
aaggaaagca cggaagtgat tggggcgtgt acgatgccaa tggaaggttc gttgctgaaa 360
aatttgagga gatcttcaag aagcatgccc acactaggcc agacgccctg acaggcaaag 420
agctggaaga gct 433

<210> 25276
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H9

<400> 25276

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ggatgggttg gcgttggcac gacgacgacg gtgacagcgg ccggggcctc ggcggtgtcc 120
ctgacctcgc tgggtggcggg ggcgatgggg cgcagtgcgc cacgcgacgg gtggtgcagt 180
cccgtgccca cacggaggaa gtcgagcccg gccgatttgt ccgcaagtgc gagaagacgg 240
agcagctcct ccgcgactgc gtcggcaggg cctctgaact ggtggaatcc aaaactgaaa 300
acactgaaga agatgtcaca gaagaaatga agagcggttc actttctctt gggtttccaa 360
gaaacgagcc cttcgatttc cc 382

<210> 25277
<211> 466
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G3

<400> 25277

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agtgtgggtt tctgaatcat agcttggcga tgcttgaggc tagacaaata ctgagctagc 120
cttcagaaaa aaaaagaaaa gaaagagatt gagaagcagg gagaaaaaat ggcactggcc 180

cattgaggaa gcttgagaac cagttaacaa gaattgccaa catattcttg gacaatcttg 240
 ttaacagagt ttttaaggttt cccagcagag aagagcgcgt gcaaccacca cattcatata 300
 attaataagc aagggtttaga gaagaggcaa catgggcaca aagatgaaga aggggatcct 360
 gaagccgttc cgctatatct caaccatcat ggatggtaag gaggctgaaa tgcaaattgg 420
 gttcccgacg gatgtaaaac acgtggcaca catcggttgg gatggt 466

<210> 25278
 <211> 465
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-G4

<400> 25278
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 cgctcggatga agaagggcgt tccattcaac acgagttgctg tgagattagt gatattgaaa 120
 accaagcagt aggtctgaag ggaattcttg atcagcttcc cagagcacat gcattctgaat 180
 ttcggtcgaa gatgtctggc ctagcttctc aggttaagaa ggagaagcga gtgctcaacg 240
 ccgccctcac gaagattgtg aactacgggtg tccccatctg actgccactc cagccagttg 300
 ttctgagggg ccattgtatc agatttttgt gaaggaagac atgttcgatg tgtaggggtgg 360
 acgctatact gccacttgg tttcgagaaa aggaaaagag aataagttgt gacccgtgca 420
 gatttctaata gtcgcanaag caacatcttt gaaacctgag taaca 465

<210> 25279
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-G6

<400> 25279
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 ggaataaggt cgtatgccca ggatcgtgag gacaaagaga gaaaggaaag actagaacaa 120
 gaaagagaga tgaggcaaaa agaggaaaag gaaagagagc aacaaagact tgaagaggag 180

agagaacttg agcgacatag agaaagagaa agagctaggc aagcagtgga gagggctaca 240
aaggaggcac gagaaagggc agcttctgaa gctcgcgcaa aagcagagag ggaggcacgg 300
aaacgttcag aacgtgctgc tgtgcaaaga gccaacagg aagcacgtga gagggcagca 360
gcggatgcta aagatcgagc agagagggct actgcagaag canacgaaag ggctgctact 420
gaagctaang agaaagctgc tagtcaagcg agggataggg ct 462

<210> 25280
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G8

<400> 25280

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gtaaaaccga gagacctcag ccctcaggca agccgaccgc cgacgtacca ccgcgccaac 120
ccgagagaaa gatggagatg atcaagagga tctcatcgc cgcgctcctc gtagtcgccc 180
tctcggccac cgcagtgtg gcctccaccg aggcgcgcgc cgcgcgcgcc ccagccgcct 240
ccgagtcgtc ggcgtccgcc gaagcccccg ctggcgccgc cggcgccggc gccggcaccg 300
gcaccgcgcg ggggccctcc gtcagcggcg ccgagccgc cctcgccgcc gcgcccgcgc 360
cgctcctctt ctccctactc gcctactacc tgcactaagc ggacggacgg acggacgcgc 420
gcattgcatt ggcatgcatg gactgttgaa catctatgca tgc 463

<210> 25281
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G9

<400> 25281

gccaaatatg gtagtgattg gctagatgcc aaggcgacat ggtatggcaa gccggcgagg 60
tgctggcccc gacgacaatg gtggcggctg cgggtacaag gacgtgaata agggcccttt 120
caacagcatg ggcgcgtgtg gcaacgtccc catcttcaag gacggtctag gttgtggatc 180
ctgcttcgag atcaagtgcg acaagccagc agagtgtctt ggcaagcccg tgggtgtgta 240

cattacggac atgaactacg agcccatcgc ggcgtaccac ttcgacctag cgggcaccgc 300
gttcggtgcc atggccaaga aggggtgagga ggagaagttg ctcaaggcgg gcatcattga 360
catgcagttt cggaggggtca agtgcaagta tgg 393

<210> 25282
<211> 286
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H10

<400> 25282

cacccgatct gaccaaattt acatttaact gaaattcccc aattctattg catctgcata 60
attggaaatg acactaccac tacctataca tattcccttc cctcatcatc atccttaacc 120
taaactaacc aaccaaccaa ttacaccaa acatcacact acatgatctc cacatactct 180
atcacactaa taaactacat ccctccaat acatctacaa tacacacaat acctaccaga 240
ttctccaata caccattcac ataaactctc aactcaaata acccaa 286

<210> 25283
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H11

<400> 25283

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ggggagagca agatcgggtg ttccaatgg agctggctca cagattgaac cggcttctag 120
aggggaattc tcgattagtt gtcataaaaa atgctgggca cgcggtcaat atcgagaagc 180
ccaaggaagt gtgccggagc atcattgagt tcttcaagga gcctgtcgct ggagctgcaa 240
atgcggacga caaggtgtag tagcttccac taatggcgga cgtggacagg tcttcgctgg 300
gcatcggcag acggcgcacc cgcttggtggc acgcaaacac aaggcagata cgtggcattg 360
tacatctaca tccctctgcc attggtctga tgta 394

<210> 25284
<211> 395
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-H12

<400> 25284

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gatggggaga aaggcgctcg gctgtgctcc tcttctctc ctcttgccg ccgccgtcgc 120

tccggccgag ctacgcgtcg gggcgccggc tgcctcgggc gcggtcacc gccgccgactt 180

ccccgcgggg ttcgtcttcg gcgtcggtc ctccgcgtac caggtcgaag gtgcagttgc 240

agaggacgga aggaagccta gcatctggga cacattcaca catgaaggct attcccttga 300

caacgccaca ggcatgtaa ctgcngatca gtatcataag tacaaggacg acgtnaagct 360

tctgcatgag aatgggtgctg atgcctaccg gatgt 395

<210> 25285

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H2

<400> 25285

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cgtcggccgc cgcatgaggt ggtcagtctt gaagtccga aagctgggtc tggatgtcgt 120

caactaagga ctatcattac ccttttttta ttgaaatatg ttgagccgct aatgagcatt 180

caaaataatg agttggtggt gtacaatttt gccactgggg ctagggtcca tgcctagaaa 240

ttattttggt gtctttactc tgctgagctg caaaagcatt tcaccaaggg agtacatttc 300

acggttcttt ttggtttgca atgcctcaat atcaccagca atcttctaac ttaaaaa 357

<210> 25286

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H4

<400> 25286

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acaaaggctg ctcaggaggc tttcagggaa ctacagagtg cccggcagga ggccctgcaa 120
 aggaaaaagg ctgaaaagaa gaaactcatc gaggaggcag atgccaaact aagcgctgag 180
 tcaactccga agaaagaaga aaaggaaagg gctcggcaaa tgaagaagtc tggacccaaa 240
 gtgaagatgc tccgctctta acaacgtcat gattcaagaa tctatcatat cttggctttt 300
 gctattcacc tgttgattag catatagttc agtgtctgct agactcattt atattctaatt 360
 cctgtgagaa tgagcaaaaa ggatccagga gaaaagaatc ctactggcg tttcggcttt 420
 tattggatgt gtgccagaat tatccgtggc cccacgcaac ttcta 465

<210> 25287
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H5

<400> 25287

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 ggtgcaagga gttcgccgac cgctctaca acttccgcaa ccagggcggg aagccggagc 120
 agttcgaccc cagcatgaac ccgtcctacg ccagggggct gcaggacgtg tgcagggact 180
 acctcaagga cccaccatc gccgcgttca acgacatcat gacgcccggc aagttcgaca 240
 acatgtactt cgtcaacctc gagcgcggcc tcggcctgct cagcaccgac gaggagctgt 300
 ggacggaccc acgcaccaag cccctgggtgc agctctatgc atccaacgcc acagccttct 360
 tcgacgactt cggccgcgcc atggagaagc tcagcttgtt cggcgtcaag accggcgccg 420
 actgcgaggt caggctgcgc tgcgacgctt acaacagc 458

<210> 25288
 <211> 455
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-H6

<400> 25288

gagaaacaag gctcgacttg tggcaaaagg ttatgcccaa gtcgcaggtt tggatttcga 60

ggagactttt gctcctgtgg ctaggctaga gtcaattcga atcttgctag catatgccgc 120
 tcaccattct ttcaggttgt accaaatgga tgtgaagagc gctttcctca acgggccgat 180
 caaggaggag gtgtacgtgg agcaaccccc tggcttcgag gatgatcggg accccgacca 240
 tgtgtgtaag ctctctaagg cgctctatgg acttaagcaa gcccgaagag catggtatga 300
 atgccttaga gatttcttaa ttgctaatgc ttttaaggtt gggaaagccg atccaactct 360
 ttntactaag acttgtaatg gtgatttggt tgtgtgccaa atttatgtcg atgacataat 420
 atttggttct actaaccaaa agtcttgtga agagt 455

<210> 25289
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H7

<400> 25289
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 cgccgtcctt gcggcgctcg tcgccggcgg gtcgtgcggg cccccgaagg tgccaccgag 120
 cccaacatc accaccaact acaacggcaa gtggctcacc gctagggcca cctggtacgg 180
 tcagcccaac ggtgccggcg ctccctgaaa cggcgggtgcg tgcgggatca agaactgaa 240
 cctgccaccc tacagcggca tgacggcggtg cggcaacgtc ccatcttca aggacggcaa 300
 gggctgcggc tcatgctacg aggtgagatg caaggaaaaa cctgagtgtc cgggcaatcc 360
 agtcacgggtg tacatcactg acatgaacta cgagcctatc gtcacctacc acttcgactt 420
 gagcggcaag gccttcgggt ccctggcaaa gcccgggctc aacg 464

<210> 25290
 <211> 313
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H8

<400> 25290
 cagacgcgtg ggcggacgcg tgggcggacg cttgggggaa tgggtggtggt ggtgctggag 60
 agaagaatct cttttagtaga tcctttttct ttgatagggc tgctgaggct ggatttggtt 120

acgccaatgc gcctgtcgct aagggttaaac catcggaactt cagacaagct gcggagcgcg 180
 cttgctcggt gagcgtgaag aacgcgcagg ccaccttccc tgggtgtacag aaggatagca 240
 tttcatatat ctgcattgac ctcgtttatt aattcacatt actcctggaa agattccgcg 300
 ttgatccgga cca 313

<210> 25291
 <211> 462
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G2

<400> 25291

cggacgcgtg ggggtgattg aaataatcgg taataaatag ttcgtgaatc cctgaagcgt 60
 gcatgtatat attcctgcca agataaaggt aatggagtcg tcacgcaggc tccagccggc 120
 cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa ggggaatgcga 180
 gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcggtgag ggcttcttgg ccggcagggt cagcaccttc cgccgcgcgt gcatctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctgccatgc atcgacaacc tattcttaat 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatgttctgg tgactgtcat 420
 gtatatcttg atgactgtca tgtatcttgt tcatgtatgc tc 462

<210> 25292
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C8

<400> 25292

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 agctgggtcat gagcgcccg ccaaccatgg cggcggcggc gcccggtgcg gcctgggtgg 120
 tggcgctggc gctggtgctg gcggtgcgcg tgctccagcc gcggccgtcc gacgcgcgg 180
 cgcagcccg cccgcagtcg ccggcgacgg cgggtgtcgtc gggcgccgcc aagcccaagt 240
 gcgtggccgg cgccaggaac gaccacgcgt gccgcgtcgg cgccgtgcac gaccgggaca 300

gccaggagga ggagggctcc agcgtcacca tcgacgcgcc cgccgccgcg cccgacgacg 360
 tcggccacga cgacggcagc gactacaacg accccgacgt gccaacaac gaccagctcg 420
 tcgtcgtcgg ccactgaaag ctgccgcgcg cgcgcgcgc 459

<210> 25293
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D1

<400> 25293

aaaaaaaa aaataaaaaa aataaaaaaa attaaaataa aaaaaaataa aaaaaaaaa 60
 taacaaaaaa aaatatatat aaaaagtcaa aaaatattat attataaaaa attaaattgg 120
 gttgcctcgt tttatggttt ccattttttt ttccccttaa attcaacttt ttagcttttt 180
 ttttgttccc cctaatttct attcttttgc cgtcttttta caactttttg ttttttaaac 240
 ctttggtttt tcccaatttt ttcgctttgc ataatatctc tttttctccc gttgttttaa 300
 tcctttttac tcctttactt ttgcttttcc ccaccatttt tccatctcat tttccaaatg 360
 taatccccct tttactttca ctttatccgc ttcttttttg ggggtttttc ccatttttcc 420
 cttt 424

<210> 25294
 <211> 392
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D10

<400> 25294

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 gaagggtcac cagaactggg tgaaggtag cgggcagtag ctgacattcc ccggcggcgg 120
 cagcagttc atccatggtg cgctgcacta catcgacttc ctgcagcagt ccgtccgcgc 180
 catctcgtgg gggaagcaca cgcggttggg gctcgacgtt ggctgcggcg tggccagctt 240
 cggcgggtac ctgttcgagc gcgacgtggc gaccatgtcg ttcgcgcca aggacgagca 300
 cgaggcgcan gtgcagatgg cgctcgagcg cgggatcccg gncatctcgg ccgtcatggg 360

ctccaagcgc ctgcctttcc cgagcaagtc gt

392

<210> 25295

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D11

<400> 25295

ctagcttgct cctcgatcca tcaattgcaa gaggagcaag ataccaccac cgtagcacca 60

cacgcaggta cgaagaaggc gacgaacatg gcgaggctgg ccttggttagc ggcggtgggtt 120

ctgtgcctcc tgttagcgac agggccgcag ggggccatca ggcgcgaggg gatggtgtca 180

tttgacaatt tgatcagctg caaggtactg ggcaactgcg acaagaacct gggccccgag 240

gcctcccgcc cagggaaacc cgccaacgac tacacccgcg gctgcaacct gatcaccggc 300

tgctcgggct gatcatatct ctctggtcga tgtgcgcgca atgtcaatgt cgcacgcgcg 360

tgcaggtacc aggcctcagc gtgtggtgcc gcgtgtgtgt atatattaca caca 414

<210> 25296

<211> 241

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D12

<400> 25296

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgtccg 60

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcgga cgcgtgggcg ccaactgcgct 120

gccctagaac cttcgccgcc gcccctcttt aggattaccg tgtccccgat cgccccctgg 180

cacgcccgcc ccgatcgccc cctggcacgc ccgccccgga tcttgcaccg gaattccgtg 240

t 241

<210> 25297

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D2

<400> 25297

tttcaaacta atatactctt ctacatcttt ggggtatcct cgattaattg ttcaggtctg 60
atattgaataa acataatgta atatgtgtgt gtgtgcaaga ataatacaac ttatgataaa 120
gttagcgtgg tgcaacaata agctaaacaa ttatcctaag agtaaacatg tgtattgata 180
ttcctttttt ttacgaatag gttccatggt tttggaattg gaacaagggtc acttgggttc 240
aacatcaggg tacaagttaa gaaagggttca tctgtatcgg taggatttga aattctgcat 300
aagagttcca actagtatca cgtgaggact aaggcataaa tcatcagatt gctcatgcc 360
gtttcttgct tggtaagca tacattccca tgatctgtgc tgagaaagtt ccacaacctt 420
actatgttat ttgtntattt tgaaatcggt cttctttcta ga 462

<210> 25298

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D3

<400> 25298

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taatcctcgc tgggtctgag tatggaagcg gcagttctcg tgattgggct gctaaggggtc 120
cgatgctcct gggagttaaa gctgtaattg ccaagagctt tgagcgtatc cacagaagca 180
acttgggtggg gatgggaatc attcctctgt gcttcaaagc tggtgaggat gctgattcgc 240
ttggcctcac tggacatgag cggtagagca tcgatctccc taccaacctc agtgagatcc 300
gtcccggcca ggatgtgact gttactaccg acaatgggaa atctttcact tgcacgttgc 360
gctttgacac tgaggtggag ctggcgtact tcaaccatgg aggcacctc ccttatgtca 420
tccgcaactt ggcagctgcg cataactgag gcaagggtcaa cacacc 466

<210> 25299

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D4

<400> 25299

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catctgctct cgcaccccg tcccggaggt gtgcacgtcc accgccgggc ggcacgcgtc 180

caagtaccgc gtcacgcaca acctggccgt gccaacatgc aggtggacgc gttcgccaaag 240

cgcaccgcgc aggcgcgcaa gcacgtcgcg aggtcgggcc gcaccatccc gccgcagcag 300

acgcaggcgc tcacgttctg cgacaccatg tacatgaaca cgcangacac catcggcgcg 360

gcgcagcggg ccatcacgtt caaggacacc ggcaccgnc a gatcatgct gcagctcgcc 420

gtccaggact tcgactcgtg cgaaccgccc t 451

<210> 25300

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D5

<400> 25300

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atgacgaggc acccatctt cgtcctctcg gatacgctcg cgtcgaggc gctgcagaag 120

atggttcaag gcaagttcag gcacctgccg ttgggtggata acggcgagggt ggcgaccttg 180

ctggtacatg tgaatgattc ctttgtact 209

<210> 25301

<211> 55

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D7

<400> 25301

ccggcggcaa taatggcctc ggttccggct ccggcgggtg aatatacatt tatat 55

<210> 25302

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D8

<400> 25302

cccacgcgtc cgccacgcg tccgccacg cgtccggtgt ctgggggta tctcggtcgg 60
aaagctgcgg cctattcttt aggattagga ggagccgtat gaagc 105

<210> 25303

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D9

<400> 25303

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tccggcgctg tgggctatgg acctgcagca gcaagctaata taagtttata tatattgcat 120
gagagagcat gcaccgctaa ccatatatac tactgagact tctgaattct agtatatgta 180
atccttttgt ttgggttttag gaggcaattc taatcatgta tgccgaattc caaagagtgg 240
aaaacaagca aaatgttaaa taaaaaaaaa aaaaaaaaaa taaaaataa ataatatata 300
aattaaataa taaatattaa aaataataat ttatt 335

<210> 25304

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E1

<400> 25304

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catgcgctgg ttaaggtttag gggaggcagg ggacacggtg gcgccgtcaa cccgcaggtc 120
gccgtcatct gctctgcac ccggttcccg gatgtgtgca cgtccaccgt cgggctgcac 180
gcgttcaagt acccggtcat cgacaacctg gccgtgcaa catgcagggtg gacgctttcg 240
ccaagtcac ctttcaagcg cacaagcacg 270

<210> 25305

<211> 422

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E10

 <400> 25305

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 acgatctaga gaaccatgtt caatctaattg gaataagggtt tcgtattgac ctaggcaatt 120
 ttccctggga ttagtcattt tgttgaaaga ctctgtacta tactctgtag cgtgggtgatt 180
 tttgctagat ggcatgcttc catttaggaa gaagagatac ttttcatctg ccctcatgtt 240
 tacaattacc atgctgtagt tgttctatat aataaaataa gtgtttactc tatcagcgat 300
 ttggtttaaa cagcttggtt cgatccgaga tagggagcat gatagattta aagcgctact 360
 gaaatcatgt tctgggattt gactgtctgg atattggcta taatccaatc agtgaagttg 420
 ta 422

<210> 25306
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E11

 <400> 25306

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 tgccagtggg cgtaccacag gtatcgtgct cgactcggga gatgggtgtca gccacactgt 120
 ccccatctac gagggatacg cctcccccga cgccatcctt cgtctcgacc tggctggccg 180
 cgacctcacc gactacctca tgaagatcct gactgaacgc ggctactcct tcaccaccac 240
 tgctgagcgg gaaattgtca gggacatgaa ggagaagctc gcctacattg ccctggacta 300
 cgaccaggag atggagactg ccaagaccag ctcttctgtt gagaagagct actagctgcc 360
 tgacggacag gtcacacca ttggtgctga gcgct 395

<210> 25307
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-E2

<400> 25307

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atcgggtacta cgaacaagca cctgctgtag cttctggccg ccctttacct acactagttg 120

aacaagaacg cactcgaggg ttagcggatg cttccagtcc atgtctgcgt tgatctacta 180

ctgctgatag tactggtaga tcaaacta ggatttctgc gatcgaatct acacctgtgg 240

atcaagaccg aactggacta ttcgttttac aatcaatggt acagggattt cataatcaaa 300

gtgcat 306

<210> 25308

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-C7

<400> 25308

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caagccgaag gcggccaccc gtgcagaccc ggccgcttcg gaccagtccg ccgggacggg 180

ctcgggctct gtctccggca gcggcggaag ccaggaggct agcgccgagg aggcggagga 240

ggaagtgggtg agactgtcac cggagctggc gacgcacggc gccatcgacc cggtgacgct 300

gtcgtcgctc acatcgaagc ggcgcctgtc catcagcgtg agcaagaagc tgagcatgaa 360

catcccggac aagctgcggc tgagccggcg ggagcacaag gaccaccacc aacagcagca 420

gcaccagcac gacgccccgg gcgncttgca cgcctcg 457

<210> 25309

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B11

<400> 25309

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tcgcttggct tttgctgatt gaattggagc tgcacttgta gtttggtaac gtttatatac 120
 ataactatgc ggattgcgtt agctagaata tgtcttcag tacctgggtg acaatgggct 180
 ctaaatttta gagtgttgta gatttgtttt gttgcaaagc tggcatggca tggcttggct 240
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 tctcatctca gcacttccat cattgcaatg tgccaaaaca ccgaaaccat atcatacatg 360
 atcacctatg gtttcgcccgc tgtcatcagc acaagggtgt ccaacgagct tgga 414

<210> 25310
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B12

<400> 25310

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 cgccgccgcc atgggcgact ggctgccggc gtcggtagat cctcggcgac tggttggagc 120
 ccctgccaaag ccctcgggga gaggcgtctg tggctcttcg tgttgagaaa gccgaccgga 180
 gctgcacaat tgctcgacgg agtaccaca cgcgcgttga ttctgtgct gccgtgggca 240
 gcgtcgtctg cgccttgacc attgatcggc agtgaggcca cgaggatcta aaaaatcacc 300
 ctggtacctg gagtctcaag tgccaggag gttctcgggt tgattttgct gcgatggcgg 360
 tcagacggga gattc 375

<210> 25311
 <211> 228
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-B2

<400> 25311

cgaggcgtgc ttcacggagc acgacgtggc gttcggcaac cggcccagac tgaccttgca 60
 ggcgtggcc ttctttggcg gcgcgcgct ggccgtgtct agctacgggc cctactggcg 120
 caaccttcgg cgcgtggncg ccgtgcgcct tctcttcacg caccgcgtgg cgtgcatgtg 180
 ccccgtcac tcgggcgaag tgcgcgccat gctgcgccg gtggggcg 228

<210> 25312
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B3

<400> 25312

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atggctgacg gcgaggacat ccagccccctt gtttgtgaca atggaactgg catgggtcaag  180
gctgggttttg ctggtgacga tgcgccaaagg gctgttttcc caagcattgt tggacgccca  240
cgtcacactg gcgtgatggg tggcatgggg cagaaggatg cgtatgttgg cgatgaggct  300
cagtccaaga ggggtatcct gactttgaag taccgatcg aacatggcat tgtcaacaac  360
tgggatgata tggagaagat ctggcaccac accttctata acgaactccg tgttgcgctt  420
gaagagcacc ctgtgctgct gaccgaagcc cc                                     452

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<210> 25313
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B4

<400> 25313

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gatactgcat tgaacatgca cttgtacaat acaactgaaa catgctgcaa ggtcaaaata  120
ggcatatact ctgagactca cattaanaacg cgatatcaat atataattat attactatcc  180
ccaatacatg ttttgaccac tttaaacctc aggtccacga aacccttggg tgtcacactt  240
caacagatcc tataaaccac attatgctca gttcacgtag tatataaaga ccctgaagcg  300
cccgacctta caaaagattg ttaaccacta agacgaaatg gaacacat                                     348

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<210> 25314
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-B6

<400> 25314

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aaaacanaca gcctagggtg gcaggtacat catcatgctc ggggccggca cgtncgtcca 120
gcagctcccg gcgttccagt acgccgtcgc ggccgacgcg tctcgcgca tctcgaacat 180
cccagcggcg tccagggacg cgaacgggtgc catgtcctcg gatactgagg agtacggcgc 240
cgcgaagcca gcgggggtgg aggacgcttc ctcttcgcc tgcgcgccc cgaagctgaa 300
cgccggaagc ggcggcggcg gcggaggcgc gaagagagac gccagcggcg ccgtctgac 360
ggagaatatc ggccccggcg gcggcgccac cagtcggcc gtggaggaaa aggcaaaacc 420
tttgggcgtg gggctcgtc tgcc 444

<210> 25315
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B9

<400> 25315

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ttttgccttg ttggcgtcgg cggcgacct gctcagcgtc ggcgacgcgt tggctcgtga 120
cggcctgcag gtggggttct atggcaagac gtgcccggcg gccgaaggcg tcatcagcga 180
catcgtcaac aacgaaatcg ctatggaccg gggcatctcc cctggcctca ttcgcctctt 240
ctttcacgac tgcttcatca cgggttgcca cgcttcatt ctctggacg agtcgcccgc 300
cggcgacgtc ccagagaagg agtcgtccga caacggcttc accctggtcg gtctcagaac 360
cattgacatt 370

<210> 25316
<211> 467
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-C1

<400> 25316

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tcgtgggtggg cacgctgacg gcgctccagt tcggcaccgc cggcgtgggc gagatgtccc 120
gctccaacgc ctgggtgctg gtgctcttca tctgcttcta cgtcgccggg ttcgcttggg 180
cgtggggggcc gctgggctgg ctctgtcccct cggaggtggt cgcgctggag gtccggtcgg 240
cggggcagag catcgccgtg tgcgtcaaca tgctgtcac cttcatcatc ggccaggcct 300
tcctcagcat gctgtgctcg ctcaagtctg ggctcttcta cttcttcgcc ggggtggatgt 360
tcatcatgac caccttcacg gccctcttcc tgccggagac caaggggggtg cccatcgagg 420
agatgaacct cgtctggagc cgnactgggt tctggggcaa gtacgtc 467

<210> 25317

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C10

<400> 25317

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tcctacgaca tgcgctggac acatacttat atcagactta agactatact tcaacggtaa 120
ttgctactga tattatggga aagatgaaac atactacaca tacaacaaa tgtaacacat 180
tacagaactc agaaacgaac acacatgtgt gtgcttaatc cttcagtcac gttatgaatt 240
tgatgaacta tagcccagca ggctcctctg gccgtggaag tttccaggca atactggagt 300
gggttgctat ttctactcc aaggaaactc atgtacaaag aggcaagaac atacaatgga 360
gaaaagaca 369

<210> 25318

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C11

<400> 25318

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ctcctccgcc atgcccctgt cctctactca aatccggcgg cggcggacag ggcaaccgcc 120
 actgctgctg ggatccggcg gccagcggca actaccgggg tgcagcgaac ctggagataa 180
 ctccctggag caaggagatg gacggactcg tccaaactgc tcgtaggtcg gatgctgcgg 240
 ccacggatcc gccatgcggc ggggtcaacc atgtcgtcga ctccatagcc gaagagcccc 300
 ttgctgagga tcttggtgag cagcaggttg aagtagctga gcaggagctc attgaaggag 360
 aagagcaggt ggttcaagag gagccacaag gcgaggagta tg 402

<210> 25319
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-C12
 <400> 25319

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 tcataggcaa tggcaaccgc aaggaaggat cctcagcagg ttgataaagt caacctgaaa 120
 cccagcgagt ctggcaaagg ggtagtacgg cgtgcaaggt ctgtcccgac ctctccggat 180
 cgcagatcgt ccccatcccc ggccccagtc tcagacaacg ccagccgacc ggcatcatca 240
 ctcaaacctc gcacgacctc gtcccgggtcc acaacaacat ctagctcggc ggcctcttca 300
 agccacggga agacgatgcg ctccgcttcg tcgtccgtgg gtggtgcaag tgcaagcgca 360
 nggcagacaa acgcggcgag aaggagagca gagaagcccc gtgccacatc cttgtggcct 420
 gc 422

<210> 25320
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-C2
 <400> 25320

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 ggtggcgtgc gcgaagcagg gcggcatccg gtacaccatc accgggaaca agtacttcaa 120

catggtgacg atcaccaatg tgggtggcgc cggcgacatc gcggcggtgt cgggtgaagg 180
gagcaagcgt gtcaagtgga cggagatgaa gcgcaactgg gggcaagtgt ggcagaccgg 240
ggaggacctc acctgcgagt cgctgacgtt cggggtgatg accagcgacc accggaaggc 300
cacctcatgg cacgttctcc ccgtgactg gaagttcggt gtcacgtacc aggcattcaa 360
gaacttctaa gtagccactt ttctctctct tcttcaacct gcatatgccc acaagcaacc 420
atgcagatga taacatgcat catgcatgca tttcattct ttcgctc 467

<210> 25321

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C4

<400> 25321

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cagcgccagt ttcgtgaagc tgcggacat gagccctaaa cagtggagcg cattcctcga 120
caagttccag gagctgctcc caggtgccct gagcgcccgg aagcacgctg ccggtgtcgt 180
cggccagcgc tcgatgccga ggctgggcac gtcttgccag ttttgagagt agcagaagag 240
aagcgcttgc tctctgctct gtctttgccg ctgtaccatt ttggaggcgc ttaccatatt 300
atgaactttg aactatgata tgatgttcgc ataaatatca catgttctct gt 352

<210> 25322

<211> 390

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C5

<400> 25322

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catcgtgggc ggcacgctga tggcgcgcca gctctggacc tccggcgtgg gctagatgtc 120
gcatccaac gcctgggtgc tggcgtctg catctgcta tacttcgctt ggtagcctg 180
gtcgtggagg ccgctgggct ggctcatccc ttcggaggty ttggtgctgt aggttcggtc 240
ggcggggcag agcatgcgcc tgtgcgtcaa caggctgctg accttcatga tcggccatgc 300

cttactcagc atgctgggct cgtcaagtt cggctcttc tacgtcttac ccgggtggat 360
gttcattatg accaccttca atcgccatth 390

<210> 25323
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C6

<400> 25323

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tcgccctatg gccgccgcac cattcttcgt cgtcgtcctt ctcgactcgt tggcggcaga 120
aaggacgatg ggcaggggtg tgggtgaaga gacgctctgg ctgtcgcaaa gccatgcctt 180
caaaggcgtg tgcctcagca acaccaactg tgacaacgta tgcaagacgg agaagttcac 240
aggcgggtgag tgcaagatgg acggcgtcat gcgcaagtgc tactgcaaga aggtctgcta 300
gggcatgacc ggcaacaagc cctaaccgta cggctgggtg atccggttgc aactgcaca 360
gctcggttgg gcacgcggtc atgt 384

<210> 25324
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B10

<400> 25324

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gaacctgcct ctgggtcagg cccgatggga agaccaggt gacagtatag taccgcaact 120
agggtggcac catgggtccc atacgagtgc acacagtcct aatctgtact cagcacgacg 180
agacagacac caacgacgag attgctgctg acctgacgga gcacgtcatc aagccagtca 240
tccagaagca gtacctcgac gagcagacat tctaccacct caacatgtct ggccgctacg 300
ttatagtcgg acctaacggc tacccc 326

<210> 25325
<211> 269
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A10

<400> 25325

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cccaggctgg aaacgccctg gctagaggaa gcaccggagg tttgtttgat tgtagctggc 180

taaaggtgac gcacaactct aactgctatt tggttttcct ggctataaag tctggccaaa 240

ggtggtgcac aattctaaca attgtttgg 269

<210> 25326

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A11

<400> 25326

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cgcccgcgcc ggtgccgagc cgcccgcgcc ggtgccgagg ccctcaccag tcaccacccc 120

ctccccctct cgtctgtcc cccgcttgcc gccaccgcgc ctgcccgctc gcgatccttc 180

ccctttttaa cgctcccgcg gcccgcgctc gtgctccctt ttgtcgccgc tgccttcgtg 240

cccgactcgc cgggtttctc tcgctcctca atctccgcgc ctggggcgcg cgttcgccgc 300

cggatctggg cgcgggacgg tgccccggac ggtcgatggc gcggggcgcg ctccggttgg 360

gcgaccgcgc gc 372

<210> 25327

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-A12

<400> 25327

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tggcggaag gacgacggcc acgatccctc gaaggcggac aagggttcc acggaggagg 120

gtacccggcc gccgccggtg gatactacgg cggccagtac cccggcggcg gctaccctgc 180
tccaccgggc ggcggtgcgt accctcccgg ccctgggtac ccggtaccac ctggtgggta 240
ccgcctccg ggtggctacc ctgagcctgg cggatacccg ccgtcgcacg gggcgtaacc 300
ggcgccgggt gcaggcgcgt atcctcccag cgggtaccn catcaaccg tctaccaca 360
gcctggctat ccacgatgc ccggtcatgg tggcatgtac ggaggaggcc acggtgc 417

<210> 25328

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A2

<400> 25328

cccacgcgtc cgcctgcagt catctcctcc atcaccacca aactcaacaa cagccagctc 60
gcgaaaataa tgaagagccg cagcatggca tcatcgcccg cgctcttggg gctagccctc 120
gcgctagtgg cggccaccgc cccacaggta gcggaggcaa agaagaagag agcggcggag 180
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ggcaagaagg ggacggacct ggtcgtgtgc aaggagtcct gcgcgctctc ccagcagtc 300
aacctggtgc tgtacggcag gatccagtgc aagggcaagt gcaccgagca gaagggcatc 360
acggcgccgg ccatgaaggc ctgccaggag gagtgcgaca aggcgtacgt ggt 413

<210> 25329

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A3

<400> 25329

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attgattggg ctagaaagcg taatgaactt ttgacaaagc ttcaaggatt atgcaaactc 180
atccgggtca cgttgtcaaa tcatgttcat agagaagaac ttgagttgtg gccattgttc 240
gataaacatt tttctgtaga cgagcaggat aagattatcg gtcataataat tggaactact 300

ggtgctgagg ttctgcagtc aatgttacct tgggttacat cagcacttag tttagaggaa 360
cagaacatga tgctggatac atggaagcaa gcaacaaaaa acaccatggt tgatgaatgg 420
ctaaatgaat ggtggaag 438

<210> 25330
<211> 449
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-A4
<400> 25330

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gcccttgcaac ttccctggcc gacgcccctc catggctgag ctcacccctg cagggtgccc 120
ctcccatggc gcctagtcct cttcccatgt cgagctcgcc caaccaatcg tctccatcgc 180
agggtgctgtg ttccccttcc ctttctcaa gtttggtcct cggcgcccac gcttctatgt 240
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cctggcgcta cctgcagct cgccctcaag cctagggctc cgtgttttc ctttgcccca 360
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gtcgccggtt tgctgtggaa gaggaaagt 449

<210> 25331
<211> 363
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-001-Q1-K1-A5
<400> 25331

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gatgagttga gctatcctct ggatgttgaa gctggaacaa atgatatttc aagtaatgag 120
attgattggg ctgaaaagcg taatgaactt ttgacaaagc ttcaaggatt atgcaaactc 180
atccggatca cgttgtcaaa tcatgttcat agagaataac tagagttgtg gccattgttc 240
gataaacatt tttctgtaga cgagcatgat atagattatc tgtcatataa tttgaactac 300

tgttgcttag gttttcatTT catgataccc ttgtttacat cagaacttat ttaaaagtta 360
cat 363

<210> 25332
<211> 160
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A6

<400> 25332

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tctctctctc tcttttcctt ttgattaaaa gtaagtgaat taggcgaggg tttaattatt 120
tattttgtca aaacttatgt gagtcatgaa atgttgcac 160

<210> 25333
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A8

<400> 25333

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gccttgctgc gaccttggac cctcttttgg cgccaacaat aggaggagga gcggagccac 120
attccccgcg ccgcccgtcc tgtcccggat gctgtcacc accacgcggc cggcagctcg 180
gactgacgag agatctggca ccagcccgga gaagcccctg ttgcgcgggt ggggtactacg 240
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aacgccatct ccgacggtga ggctgagcta gcgcccgtgc cgggtgttcgt gtttatggat 360
tttgtggatt tgaggatgct cgtagacctt gtgcaccggg tccggaacga tgtcgggtggg 420
aggtgaagca gagatgaagg agctgcccga ggag 454

<210> 25334
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A9

<400> 25334

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tctgtcgtac gggtttaccg tgggccattg aataatagta tctcacagca aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg 300
ggggcccttt taaagggtcc aagttttttt tcccgggggt tcaaccctta aaccttttta 360
tagggggccc taaaatta 378

<210> 25335

<211> 256

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E6

<400> 25335

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gtcctccctt attcatcaag actgcaataa ctgtcgctac ctatgcttct cacctgtgat 120
ttttggacac aatatgttaa ggtccattca attctaata gacgcctgat gaggctacta 180
gcaaacaaca ccatgtgttc ggattgtcat tggttattga tgtcttgtga atgaataata 240
taaatttttt ttggtc 256

<210> 25336

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E7

<400> 25336

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agcgacgacc tgtaccagta catcctggac acgagcgtgt acccgcgga gccggagagc 180
atgaaggagc tgcgcgagat caccgccaag caccatgga acctgatgac cacctccgcc 240

gacgagggcc agttcctcaa catgctcatc aagctcatcg gcgccaagaa gaccatggag 300
 atcggcgtct acaccggcta ctgcctcctc gccaccgcgc tcgcactccc ggaggacggc 360
 acgatcttgg ccatggacat caaccgcgag aactacgagc taggccttcc ctgcatcaac 420
 aaggccggcg tgggccacaa gatcgacttc cgcg 454

<210> 25337

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E8

<400> 25337

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 gagagttagc ccgttcctgt tcctgataaa acgagagaag gatggcagtg tctcagggag 120
 ctgtcctatt cttgtttctc ctctcgtcg cagcataggt gggaaccatc gatgccaaaa 180
 tgggagtagc catgcccatt catgccttga taatggagaa agcgaaacag caggagaagg 240
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 agttcgaggg cttctgcttc aacagcgaca gatgcgccga ggtgtgcatg aaggagagct 360
 ttcccgggtg cgagtgcagg cgggacgtgg ccatgcgcaa gtgcttctgc aagaagcctt 420
 gctagttcat cggctcttgc aattgttgat ggggtgcttca tt 462

<210> 25338

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E9

<400> 25338

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 acgggtgtga gctaattgat gacaaacatt gatgctagca tgaccaagat ttacatggta 120
 ctctactggg tacttcaaag cagaactgtt ctactggatt aaaacatata ttaggcaaatt 180
 attgaggaac tacaatattc cttgatggat ggaatgataa ctccaacttc tgagattgat 240
 ctagaattca taatcttggc atactacaac cattatgagt ctaagtcagc gactctagaa 300

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329

<210> 25339
<211> 396
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-F10

<400> 25339

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ctccacaccc aaggttgcgc ccgaggccac tccaatctcc gttgaggttg cggctgatga 180
acaggtagct gagaaggtgg tgggtggagga gccggctgcg gcggccgacg ttgagcatca 240
gaaggctaata gaggtgctcg ctccagaggc ggccgtcgcc gagcccgacc acaaagagga 300
ggaaaccctg gagaagaccg tcgtctagga ggagaagcca gcggcagcag cccctatgca 360
gaggaaaggg tcgccaccgn cgacgagacc acgacg 396

<210> 25340
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F11

<400> 25340

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gccagagct tgtccaacct gaatacagtg cacagaaatt ttaagctaac acagttgtgc 180
aggaacagtg agaaaacaac acttgcagca aagcgaagag gcacctacct ttcctggtcc 240
cgtaagtagg atcggtttct cggtttgttg accccggcgc cgctgaatag tttcaagacc 300
tgaaagaatt tcaagaaatt gatcaaagtc tggattgaaa tacgttatgc tagcttacca 360
ttgacaaggc aaagagacag ttgaactacg gaaa 394

<210> 25341
<211> 450

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-F3

<400> 25341

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agnggggcga tcccacagaa actgttctct cggtcctgttc gatcgatcgc tgccgtgtcg  120
tttgccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg  180
ccgccgcggc gaccgtcgcg ccccgacccc ctgcacctgc tgcgtccgcg tccgtctcct  240
tctccgcgag gaagccggcg ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc  300
cgtcggtggc gccgtcgcgg gcggtgttcg cctgccgggc cgcggcgtct gtgagcgcgg  360
acgacctggc cttcgggggc aagaggtcgt ccggcgtgcc ggtgttcgtc atgatgccgc  420
tggacaccgt caaggagtgc ggcaccgcgc                                     450
  
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<210> 25342
 <211> 313
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-F4

<400> 25342

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ggccgtatgt ctccaacggc gggcacgcca agcccctgac gcctgtcggc cgcgtggtac  120
accacaacca ctgcaagttc acggtcgggc cgtggaaacc cgtccacgcg accttctacg  180
gcgggcggta ctggtcctgc accacggcgg gcgcgtgctg gtacaaggac acgcgcgcgc  240
atgggtatgg cgtgcagacg gtggccgtga gcacggtgct ttcggtgac tgctcggact  300
gctgcgggtg cta                                                         313
  
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<210> 25343
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-F5

<400> 25343

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ggggacaccg tacccatggc tcgcgctagc gtcgtctttg tcattgccgc tctcctcttc 120
gtcgccatgg tcgtagcacc gatggccgag gcaaagtccg ccgatgcccc tgtggctgac 180
gcgccagccg atggacctag cgggccggct gctgcacctg gccccaggg tgtcgaaggc 240
ctgtcaggca atgaggatga cgatgatgac tccaccaatt gaggccacac acgttggccc 300
ggttaaatTTT ggaacaagac atggaagaaa aatgagagca atgtctttaa aaccatgata 360
atgtgtggtc atccactcat acatggatac atccttgctc tccctctttt tctttctggt 420
tgatTTTcaa tgtgttatca tg 442

<210> 25344

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F6

<400> 25344

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gatatgtgta cagtggcctg ttgaatgctt catagaagca tataggctga tgtctTTTTc 120
atcactgtgc aacttgccac caatattcca tctctgtcga gtccaacaca tatagaattg 180
tactgtcttt tttcaaagag gtgcagagat catgcacacc aaagcagcag cagcatccta 240
ttgaagacca ggattttgaa gaatctataa ctaatcaaga agcagaccat tatgattggt 300
ggtacgagag caggagatca ggtggcacga caaaaagtat gctgagagcg caaatgtatt 360
gttaagtaac caggtgacat tgtgctgcat aacaaatgaa tgaagtcaaa tgaactgaat 420
aatttgtaaa aa 432

<210> 25345

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F9

<400> 25345

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 gatcagggga gaagcagcgg acgcagcgca gctacgattt caccggagtc acgtcgtggt 120
 ttgcggccaa gtgcgacctc atccttctcc tgtttgatcc gcataagctg gacatcagcg 180
 atgagttcaa gcgtgtgatc gggctctctcc gcgggcatga tgacaagata cgcatagttc 240
 tcaacaaggc cgaccaagtt gatgcacagc agctgatgag agtgtacgga gcactgctgt 300
 ggtcgctcgg gaaagtcctg aacacaccag aagtcatgcg tgtctacata ggttcattca 360
 acgacaagcc gatcagggag acagcggctg ggcc 394

<210> 25346

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G1

<400> 25346

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 gacccaggca agaaagatga gcctgcgaaa ccgcaccaga gcagtgactc ctgggctggc 180
 tgggatgatg ggaaggatga tggttttgat agccctagtt acaacaatca cagcacctcc 240
 aacaagggga gcaacaaaaa cgggacatcc ggtggcacat tttggacaga aggcggcttc 300
 cgctgaaacc agtctctttt ccatagagct atactttcag agttgttaca tgccaggaaa 360
 cgtgagggtc cagtggttgg tattatttgg gataacttaa cagtctggtg aaagggattg 420
 tgtgttttgg accatgtcta caacctgtat tatatc 456

<210> 25347

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G10

<400> 25347

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 agaacctatg ccgcctgtc acagacttgc tgcccattat cgccagcggc gtccgtggag 120

tcaccagcaa cccaacgatt ttccaaaagg ccatttcata gtccagcgca tatgatgatc 180
 agttcaagca gctcatttcg gcaggaaagg atgcggagag cgcttactgg gaactcgtta 240
 taaaggatat ccaagatgcg tgcaaacttt ttgagcccat ctacgacgag actgatgggg 300
 ctgatgggta tgtctccgta gaggtgtctc ctaggttggc aaatgacact caaggaactg 360
 ttgaagcggc aaagtgggta cacaaagtg 389

<210> 25348
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G11

<400> 25348

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 agactgtccc aggccaccaa tggcaccgag aacccaagg aggtgttcca cagcgtggcc 120
 aaggtggcgc tggagtcggt ccagacggcg gtcgagcagt ccaagtcgat cggcgaggcc 180
 aaggccagcg actccatgac cgagagcgcg cgcgaggact gcaagaagct cctggaggac 240
 gccgccgacg acctgagggg catgctcgag atggccggcg gcgacatcaa ggtgctgttc 300
 agccgggtccg acgacctga gacctggctc acgggcgtca tgacgttcat ggacacctgc 360
 gtcgacggct tcgtcgacga gaagct 386

<210> 25349
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G12

<400> 25349

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 gggaagagaa agatgcggcg cctttttcac gactccatct ctcttctgga ttactctcag 120
 tgctgcagcg taaactcgca attccctcct gtaaaagctg gagcttttct gagcgtgtac 180
 gtgcgttggt ggaacttggg cccccacca agatctcacc tatctgcact gggctggcca 240
 gctggggccg tcgccaacca ccgtgctttt gcgtcgccgc ataaccttgg ctaagcgtga 300

actttgtcac aacaaccacg tttggcgttt ccatgct

337

<210> 25350

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E5

<400> 25350

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ggagcagcta gctgggtactg gagatggata tggatgcatg gggagaacta cgtacgtgcg 120

tacgtggaaa gaacaaatta aagtagtcat tttactcgcg cagagagaga aaagctttgt 180

gagatggatc gtcaccagct agcttgcgtc gtcgtcgacg gcgatgataa gcaaataaca 240

ttttacacgc agacagcagt agtaacagca aatcgcgacc caccctccgc cgcgaccgcc 300

atcgcgcca cggtacagcg tacagtcgtc ctggtcgccc tcgcgcgccc acctcatcaa 360

gatcaggctt tggccatgct cttgccgccc tcaactcctt cgccaacccc agaccacccc 420

agagaggcta gagcgaggcc gcaggcggcg gctgtggat 459

<210> 25351

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D2

<400> 25351

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ggagggcgaa cgaaacccta ggatcaggga ggctccgggc atcgctgctc gaccccatg 120

acgtcctgcg ggtgctgat gctcgagaag gtggagggcg acgcgtcggc gaagacgagg 180

gtgaaggccg cgccggggcg cggtgccggc gcctgggtgcg gctcgtgctc tggggactgg 240

cggggcccgt cagaggccat cttccccatc tacgtgatgg ggagctcgcg ggagagcacc 300

gtggcgggcg cgcgggcat agtcgactcc cccgaggacc ccatatgggt tgccgtcaag 360

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gtgctgtctc atgactgcct agagcgtgca ttgagcttcg 460

<210> 25352
<211> 441
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-D3

<400> 25352

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ggcagagaaa ctaataaaac tctcgccgcc gccatccgag cgaacaagcc aaccgacccc 120
gtccccaagg caatccgcgc cgcacgtacc accaccaccg caggagcgag atggagatga 180
agaggatcct cttegccgtc ctcgctcgta tcgcccctc gccaccgca gtgctggcct 240
ccaccgaggc cgccgcgcgc ggcgccccaa ctgcctccga gtcgtccgcc gaggetcccc 300
ctggcgctgg cgctggcgct gccgctggcg ccgncgncctc ggggccctcc gccagcagcg 360
gcgcgcccgc cctcgccgcc gcgcccgcgc cgctcctctt ctccctctc gcctactacc 420
tccactaagc gtgtgcgtgc g 441

<210> 25353
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-D4

<400> 25353

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ggagggatgt tctactctg tcgacatgaa tggcaagctt tctggtactg aggggccacc 120
agttgatgat ccgactcact atcgaggtct tgctggcgca ctgcaatata tcactttcac 180
tcggcctgac atttctctatg ctgttcagca agtttgtcta cacatgcatg atcctcgga 240
accacattat acgttgatca aacgtattct tcgctatctg catgggacat tggatcatgg 300
cttacatctt cgcccacag atgtttctgc tttggttgcc tactctgatg ctgattgngc 360
cgttgtcct gacaccgcgc gttcgacctc tgggtatgct gtttttcttg gtgataacct 420
catctcttgg tcatccaagc atcaacctac tatt 454

<210> 25354
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-D5

 <400> 25354

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 ggataaccta aagagatatg aaacccaaac cactgaccac agcgtcctgt taacactctg 120
 ctatggaact ttctctcata ctctgcacg gatcttcatt cctcaaaacc tagcacctga 180
 gcttcatgat tccattacag aatacatccc accactactg actgataatc cactacaaag 240
 agctcgtaat cccaatcta ctgctcaact acgccccaaa catcatctag gaattgctcc 300
 ataccgactg gatctggcgg catatgacac tataccaagt cgcacgcacc catgacactt 360
 ctttttcgct gtcctatata caactgcttc ttcgagtacg cacctacaca at 412

<210> 25355
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-D7

 <400> 25355

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 gatcatgata gccgcggga ctatctccat catcatcata ctcatcgcca tgggcagcgc 120
 cgcggtcatg tacagcggga agaagtcgtc cagcgacggt ggccacaagt ctgcttccaa 180
 aggcaagtcg agcggcgggt cagactcgga ctcgggagcg gaagcggaag cggaatcgga 240
 agcggaatcg gaatcggggt cggaatcgaa gacgaatctg aaggccgtgt ccaagagcat 300
 caaggcgatg tgctcgcaga cggactacac ggacgcgtgc gagaagagcc ttggcaaggc 360
 cgcgaacgcc agctcgctgt cgcccaagga catcatccgc agcgccgtcg aggtgatcgg 420
 cgacgcgata ggccaggcgt tcgaccgcgc cgatctgata ctg 463

<210> 25356
 <211> 463
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D8

<400> 25356

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gctctatcgc ccatcaactg ttaccacgga atacagagaa catgtgaaag atctttcttg 120

cgtgtcaaaa gatttcggca ggattgtcat tgtcgacaac aatccgttca gtttcattct 180

tcagcctttg aatggaatac cttgtgttcc attttcagct ggacaacatt ctgatgacca 240

gctcatgatg gttatatttc cactcctgaa gcactcttct ctccagaaag atgtcagacc 300

tgtattgcat gaaaggtttc atatgccaga atggttccaa aagcatggga tccccaaac 360

taatcagtct gtgtaagttt tgctgccctt gttttgatga acgctgtgcc tattatgcta 420

taagcccctt aaggagagac acttgtatat tattatcaat att 463

<210> 25357

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D9

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ccaccaccgg caccgggtcag ctccaccacca cctccagtga agtcaccgcc acctccagca 180

ccggtcagct caccaccacc tccagtgaag tcaccgacac ctccagcacc agcgagctca 240

ccaccacctc cagtgaagtc tcctccgaca ccagcaccag ttagctaccc accaccccca 300

ataaaatctc ctctccacc ggcaccagtt agctctctc caccagcacc agtgaagcca 360

ccatcactac caccaccggc cccagtaagc tcacctcctt 400

<210> 25358

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E1

<400> 25358

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ggaggggtata ttcggtggag acttgagagt acgtgagaaa gagagaggtt acgaagagtg 120

attatatata taatccgctg gtttgtattt tctttcttct ttggatcatc aaaaaaccaa 180

ccgatgtaat tattattaga ccgacgcctc acaatcttgg aacttattca ttatgctagt 240

gtatatctgt aatcccatc cataatgtta atgttgattt gtggtcacgt ttcaatgaga 300

aaaaaataat tgccagtgc aaaataat 328

<210> 25359

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E10

<400> 25359

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ggcgcgtgtg aatgcgccca tgggccagc tgagatcctg tcagagctgg ctccatatgt 120

ttctctggcc gagaagctcg ggaggctggc ggtgcagctc gtggccggcg agagcggcat 180

caagggcgtg aaggtggtgt acaccacagc gcgtggcccc gacgacctgg aactcggct 240

cctccgcgcg atggtgacca agggcctggt ggagccggtg tccagcacgt tcgtgaacct 300

ggtgaacgcg gactacacgg ccaagcagcg cggcctccgc ctacaggagg agcgcgtggc 360

gcacgacagc cccgcggcgg aggcgcgcg 389

<210> 25360

<211> 376

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-E11

<400> 25360

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tgcggtgctc ttctacatcc tcgcggttgc tgccctcagc gcggccgagg ccccggcaga 120

gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaaagaaa ctgctgcccc 180

cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgtcgtc 240
taggaagtct ggtccagcta ccgcgccagc caccgcctct acaccccctt cttccacgga 300
cgaggagttg agcccttccc cgccagcatc caccgccgcg gcgtcccctg cggctgangg 360
accggctgct gatgac 376

<210> 25361
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E12

<400> 25361

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tgcgcccttg gtggtgaata attgaagaag aagaagaggc ggagacttga gcaggtgatg 120
tcttcgctgc caggaggctt cctgtgctg cgcgctcctgc gcgggatcga cctcgtcagc 180
tgcgacgcca agggcagcga cccctacgtc gtgctcagcc tggatggaca gaaactgaag 240
acgagcgtga tgaagaagac ggtgaacccg ttgtggaacg aggacctcac cttggccgtc 300
atggacgcgt cggcgccccat caagctagag gtcttcgaca aggacacgtt cagcaaggac 360
gacatgatgg gggacgcgga gttcgacgtg ga 392

<210> 25362
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E2

<400> 25362

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cggcgtcgat cctaccgacc ccaacaccat ccggtccttc aagcagtacg acaagccgct 180
catagacctc atctccaact tgccagacgg agagaagggtg attctgatcg gacatggcgc 240
tggagggctg agtgtgatcc atgcaatgca tgaatttggt gacaggatcg gtcaagcatt 300
tttcgtggcc gccacaatgc tgccgtttgg atttcaagcc gatgaagata agaacgatgt 360

aatgtttttg aagaatttgt ttgccatctt tttaaaccac atagaccctt ctagcaaatg 420
ataaaaaaat atagagtaca catcaaaca acat 454

<210> 25363
<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E3

<400> 25363

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cccgtgcccc tcgacgcgtc gttcttgccg gccgcgcccc acctacgcc tctcctcctc 180
cagggggatc ggatacgcca caggctgcgc gatggtgctg tgggtcttcg gctacggctc 240
cctcatctgg aaccccggtc tcgacttcga cgacaaaatc ctcggttca tcaagggcta 300
caagcgcacc tttaatctcg cttgcattga ccacagaggc acaccggagc atccggcgag 360
gacctgcacg cttgaaaccg acgacgaggc catatgctgg ggaattgcat attgtgtcaa 420
gggtggtcca gaataagagc taatagcaat acagtacttg gagag 465

<210> 25364
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E4

<400> 25364

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ggacagaaaag atatctatct actcacccat tgtaaaaaca cgtggaccaa taaaggactt 120
tggggatggt gcggagtata tcacgggaga aatgccttgc cgcagcatcc atatcactct 180
ataatctact actcagatcc gtgttaatgc ccacctgtg aagctggcga catattgaat 240
tccagtaatt gcgatcttag taccaaaagg taccacgtg attaaccac tgcacaaaat 300
tccgaggtaa cttctgatac tgcatttcag caagatggtt ttccatgata tcaggagtta 360
tgccactaat gacattctca tttgataggt ttgcatctgg cgtgctagtt gcaatagacc 420

tttcatcact tgagttgcct gaagtggaaa g

451

<210> 25365

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D11

<400> 25365

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caccctggcg gactacaaca tccagaagga gagcaccctc cacctggtgc tccgcctcag 180
gggtggcatg cagatTTTTTg tgaagacatt gactggcaag accatcacct tggaggtgga 240
gagctctgac accattgaca atgtgaaggc caagatccag gacaaggagg gcattccccc 300
agaccagcag cgtctgatct ttgctggcaa gcagctggag gatggctcgca ccctcgcgga 360
ctacaacatc cagaaggaga gtacccttca ccttgTTTT 399

<210> 25366

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B7

<400> 25366

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gcagcggctg ctggtgtacg agtccgtgcc cgccggcacc ttagaagacc acctgttcga 120
tctgccggcg gacaagaagc cgatggactg gtgcacgagg atgaaggtgg cgcacggcgc 180
cgcgcagggg ctggagtacc tgcacgagac agcgaacctg ccggtggtgt acggggaatt 240
caaggcctcc cacatacttc tcgacgagaa gctcacgccc aagctctccg acttcgggct 300
cgcgcagctc ggtcaggccg ggggcagcat gccggtggtg gcgtcgccca tgatgggctc 360
cttcggctgc tgcgcgccg agtacgatcg caccgggcag gccaccatga agtccgacgc 420
gtacagcttc ggtgtggtgc tgggtgcagct 450

<210> 25367
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-B8

 <400> 25367

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 cggcaccgca gagctagcta ccgacgaaga caaggcgggc aatggccaag gcgcccctgc 120
 cgcttccgtc gctgctcgtc ctgcgcgcct tcttcttcca ccacccctgc tgcacggcgc 180
 agggccgcgc cgaaaacatc tcggaggctc aggccgcggt ccgcgcgccgc gcgtccgagc 240
 tgctccgcga cgccaccage cagctcgtcg acctgcccct cccggccaac ctctccggcg 300
 cgggcgtccg ggcctcggcc ctccagcgtc gcagcaacgc gctctgggcc ggccggcgtca 360
 acaccaccgg cttcaccgtc ccgccgcgcg tcgtgccggc cccgttcgcg cgcgcgctcg 420
 ccatcgtctt cgagctcttc gtgggaaact cgacngccgc gttcg 465

<210> 25368
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-B9

 <400> 25368

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 ggcggcgctg cgcgaggcat tggcgcggca gcaagcggcg ctgcgccgacg tccaggcgga 120
 gctcgacgcg gagcgcgggg ccgcggccgg ccgcgccagc gaggccatga ccatgatcct 180
 ccgcttgacg cgcgagaagg ctgaggccat gatggaggca cgccagttcc gccgctacgc 240
 cgaagagaag atggcccacg acgcgcgcga gctcgcggcc ctgcaggagg ctctctcgaa 300
 gcgtgaggcc gggatgcggg cgctccaggg ccagacgcc cgtcacgcct gcgccgtgcc 360
 gtcggggggc tccacccac gacgcccctc tgt 393

<210> 25369
 <211> 456
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C1

<400> 25369

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gtttgggaca ttcacagggg ggacaggaaa tcagcggcca tggcctcgat tccggcgacg 120
accttcgccc tcattcttacc cgtcctcttc tgtgccgcgg ctggcacccg cgtcgacaac 180
gacctccccg actacgtcat ccagggccgc gtctactgcy acacctgcgg cgccgggttc 240
gtgaccaatg tcaccgagta catcgccggc gccaaagtga ggctggagtg caagcacttc 300
tgcaccggca agctcgagcg ctccatcgac ggtgtgaccg acgcgaacgg cacgtacacg 360
atcgagctca aggacagcca cgaggaggac atctgctagg tggctcttggg ggagagcccc 420
cgcaaggact gcgaccaggt gcatgcggac agggac 456

<210> 25370

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C10

<400> 25370

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gccacgttct actcctccga ccccaacctc ggatccgcgc gcgtcgtctt ccagacgaat 120
tttggtgata ttgagtttgg tttctttcct catgttgac ctaagactgt cgagcacatt 180
ttcaaacttg tgccgcttgg atgctacaac acaaactact tcttccgggt tgacaagggt 240
ttcgttgcac aagttgctga tggtatgtca ggtcgaaccg ccctatgaa tgaggagcag 300
aaaaaagaag cggagaaaac aattgttggg gaatttagta gtgtcaagca tgtcagggga 360
atcctctcca tgggaaggca ctctgatcca g 391

<210> 25371

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C11

<400> 25371

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gggtcgtctt tcacaatgga cggttacata tataatccata catcttataa caaacttcaa 120
tataaaagtc acatagattt aataattagg aaaaagaagt cataacacta taagatcact 180
ggcttacatt ttgccccttt aaactaatca caacttctga ttacttctgc ggattctaga 240
atactacttg ttaacgtcga ctaattcggt cacagccacc acaaactaaa gatatagagc 300
tataataatg ataagcacia acattaccct ccaatattaa tgctgat 347

<210> 25372

<211> 393

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C12

<400> 25372

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ggtactgctc ggtctccgcc tgetgcttct ggttggtgtt gcgcaggcgg tagtggagtt 120
ggtgcctgct gatgataata tcgccgccgc cgctgctggc acggcgggtg acgatggcga 180
gccgcctcag cagtgcgcga ccccggtgag cgtggaggag gcgtgccgcg gcgcgtccga 240
gacgcacgcc ggcggtggct acgaccactg catggcgctc ctgggcgccg acccgcgagc 300
caaggaggcc ggcaacaaga acatgcacgg gctggcggtg ctggccacca ggatggccat 360
cgaccacgcc gncagcaccg agtccaagat cga 393

<210> 25373

<211> 468

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C2

<400> 25373

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ggccggcttc agcaactact tcacggacgc cttctgggtc caccggcgcc tcaacggcac 120

cttccacggg cgccgcccac gctacttcaa cacgggcgtc atgggtcatgg acgtcgacaa 180
 gtggcgcgcc ggcggggtaca cgcgccgggt ggaggagtgg atggccgtgc agaagcggcg 240
 gcggatctac cacctcggct cgctgccgcc gttcctgctc gtcttcgccg gccacatccg 300
 ggcggtggac caccggtgga accagcacgg gctcggcggc gacaacgtcg agggccgctg 360
 ccgggggtctt catccggggc ctatcagcct ncttactgg agcggcaagg gcaagccgtg 420
 gctacgnctc gacgcccgcg gcccggtgctc tgtggactac ctatgggg 468

<210> 25374

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C3

<400> 25374

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 cgtcgggtctt ctccggcgac tagcccacca tctctagcgc cgctgatgog gctgatctcg 120
 ctgggtctcca gagaccgacg gcgtccagcg gtggccggag gagtcctgtg ttcttcgttt 180
 ccttaggtgt acttatgtgg gttttggggg ggcaagagag tttttttttt gtgaactctg 240
 gtgtatcgga tcaagtgaat atgtacctac atgttgtgtt cttaattctg cattgtacag 300
 ctatacacta tacaagggta cgggaatgct gaggtgtaac ttccatgcaa tatacttagt 360
 tctattcatc taatcatcaa actatcagca actttt 396

<210> 25375

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C4

<400> 25375

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 ggtctcngat ggcgggcgga tggcgggcgc tgtgtacggg tacgcggcgg ngagccccaa 120
 cgggcccggag aactggggga agctgagccc cgcgtacaag ctgtgcgggg aggggaagca 180
 gcagtcctcg atcgacatcg tcaccaagca ggccgtcccc gccgccagcc tcgacacct 240

caatcgacc tacggcgcca ccaacgccac gtcacatcaac gatggccacg acatcacgct 300
ggcgctggag ggcaagggtg ggacggtgac ggtgaacggc aaggcgtaga gcttcgagaa 360
gctgcactgg cacttcgcct ccgaccacac catcaacggc cagagggtcc cgctggagct 420
gcacctggtc cac 433

<210> 25376
<211> 175
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-053-Q1-K1-C5
<400> 25376

ctgaccgcac tcttactttt actatTTTTT ttacactatt tttttttttt tttcttactt 60
tattttttttt agggacagtt ttattctatc attctcagtg atcaatactc ctactatac 120
ataatatacg aatactatta ttaatacaaa cctcaattta atgacccctc atcaa 175

<210> 25377
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-053-Q1-K1-C6
<400> 25377

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ggggaccgcg cgctgcgcgg cgtggcggac ctgataaagc tgctcccgag cggcacggtg 120
ttcctgttcc agttcctgag cccgctggcg agcaacaacg ggcactgcgc cacgctgaac 180
aaggcgctga gcggggcgct ggtggcgctg tgcggcgctt cctgcgcctt ctctgcttc 240
accgacagct acgtgggcgc ggacgggcgc gtgtactacg gcgtggtgac gggggggggc 300
ttgcgcacct tcacgccga ccggacgcc gatcgccggg acctgtcggc gtaccgctc 360
cggcgccggc acttcgcgca cgcgcgcctc tcgctgctcg tcttcggcac cctcgcgctc 420
ctcgacgccg acaccgtcgc ctgcctctac ccggtgctgg agc 463

<210> 25378
<211> 295

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-C7

 <400> 25378

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 gttgacgcgc cggcgccggc gcccgccgcc cgcgccaaga ttcattaatt gattattaat 120
 tcgttgatta atccgaggag cgccatacat atctcgatcc atattgtatt tgtttgttta 180
 tagtatatat cgatgtgggg tacgtttata tgtacctgcc attgtcattt cattaataaaa 240
 aaaaacaaat acaaaaataa aaacagaaaa ataatccata aaaatataaa taaaa 295

<210> 25379
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-C8

 <400> 25379

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 gggcatgatg caaccaaata ctgattctgg atcactgtcg acgtcgggtca acaatgccgc 120
 acatgggctg ctaagacttg cccctcctcc atccacatcg gttggaagag ggcgcggtag 180
 aaatcaagga cagtccgcac tctcccgagc atcaaggcct catgccaaact cggatatcagg 240
 acaacaacct atcctggatt tactctagta agagatggtc gcatctgttc ttcgcgttcg 300
 gattgtcaat gtgtacatcc tcaaaccttt gtaaggactg ggggttcaac tgcagtgggtg 360
 ctgtgagccg tgcattcgat ggacaactct cctatcgagc attttcatca attcgctaca 420
 cggccctaca tcnctgtgcc tgtgtgtgta ccactag 457

<210> 25380
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-C9

 <400> 25380

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 tggctgtggt gttggtgttc ttggtgagcg gcgcattggtg cggctcctccc aaagtccccc 120
 caggcaagaa catcacggcc acctatggca aggactggct ggacgctaaa gcgacatggt 180
 atggcaagcc gactggtgcc ggtcccgacg acaacggtgg tggctgcggg tacaaggacg 240
 tgaacaagcc ccccttcaat agcatgggcg catgcggcaa catccccatc ttcaaggatg 300
 gtctggggtg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
 agcccggtgtt ggtgcacatc acggacatga actatga 397

<210> 25381

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B5

<400> 25381

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 gcgaactcca ggttccttgg accactatat ccaggagcga cgaagtgatc caccgcccag 120
 ccatggagat gaagaaggtc ctctgcgccg cctcgtcgc cgccgcctcg gccaccgccg 180
 tgctggcctc ggtcgctcc gagggccct ccgaggcgcc cgccggcgcg gccggtggtg 240
 cggctggccc tagcgcaagc ggcgcgccg ccgccgccgt gcccgccgcc ggggcgctcg 300
 tcgcctcctt cctgcctac tacctccact gagcgacgac gcgcggggcg gcaacgttgg 360
 gatgcacgtg gtttggttca tccgattaat taattgtttt ttttatttac gtggtttgcg 420
 attggttaat tgggtgtttg ttcgttcgtt tcgtggtcgt gtga 464

<210> 25382

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A12

<400> 25382

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 agttctgatc caagatgtat ctccagtatt acatcaatga gaagggggac aaggtctaca 120

ccaccaagaa ggagtcacct cttgggggtgc cgacgcagtc tgctcaccca gctcgcttct 180
caccagatga caagtactct cgccagcggg acctgttgaa gaagagattt ggacttctgc 240
caacgcagaa gccagcactg aaaataggta tctgaggaaa catatcaaac actgctaggc 300
actactatga catctcagcg cattcaggca ctatatgtaa tgctatgtgt ttgacaggtc 360
tcaagtgcta atcaaggagg gtaacagctt tg 392

<210> 25383
<211> 449
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-A2
<400> 25383

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cgaccgctgg gagctgccga gcctggcgcg cgtcgttggc gagcgcgagt ggtacttctt 120
cgtgccccgc gacggcggcg ggcgggcgcg caagcagcag cccggctccg gcggccggcc 180
tagccgcacc acggagcgcg ggttctggaa ggccacgggg tcggaccgcg ccgtgcggtg 240
cgccgncgac cccaagcgcc tcatcgggct caagaagacg ctcgctctact acgagggccg 300
cgcgccgcgg ggcaccaaga cggactgggt catgaacgag taccgnttcc ccgacgctgc 360
cgacgctagc agcgacgcgc gcgtgccgca ngtggacgtg gtgctgtgca aggtctaccg 420
caaggccgtg tcgctcaagg agctggagc 449

<210> 25384
<211> 467
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-053-Q1-K1-A3
<400> 25384

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agcaggtgga ggatggccgc acccttgccg attacaacat ccagaaggag agcacccttc 120
acctggtgct ccgtctcagg ggtggcatgc agatctttgt gaagacactc actggcaaga 180
caatcaccct tgaggtggag tcttcggata ccattgacaa tgtcaaggcc aagatccagg 240

acaaggaggg catccccaccg gaccagcagc gcctcatctt cgccggcaag cagctggagg 300
atggccgcac cctggcggac tacaacatcc agaaggagag caccctccac ctggtgctcc 360
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aggtggagag ctctgacacc attgacaatg tgaaggccaa gatccag 467

<210> 25385
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A4

<400> 25385

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cgcacgcata gtatctccta gaggctcatc tcctccctct ctcgagccaa gagcagagca 120
gctaccaaac aagctctact ttcgcttccg atccatggag ctcgacgccg acaacctgag 180
cgccaccgag ctccgactcg gcctgcctgg gaccagcagc agcagcagcg acgactggca 240
gaagaagccg tcgccctccg tcggggccaa gcgcgctctg gacgacggca ccaagagcga 300
ggcctcgggg accagcccgg acgacagaga cctcgacttc gaccacgacc acgacaccgt 360
cgagccttcc aaggcgcaag tggtc 385

<210> 25386
<211> 64
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A5

<400> 25386

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ggga 64

<210> 25387
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A6

<400> 25387

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ccaaggtccc ccctggcaag aacatcacag ccacctatgg caaggactgg ctggacgcta 180
aagcgacatg gtatggcaag ccgacgggtg ccggtcccga tgacaacggc ggcggctgcg 240
ggtacaagga cgtgaacaag ccccccttca atagcatggg cgcgtgcggc aacatcccca 300
tcttcaagga tgggtctgggt tgtgggtcct gctttgagat caagtgcgat aagcctgtgg 360
agtgtccgg caagcccggt gtgggtgcaca tcacggacat gaactatgag cctatcgagg 420
cgtaccactt cgatttggca ggcacggcgt tcg 453

<210> 25388

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A8

<400> 25388

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tctggcatct ctgaaatcat ccccgagatg gagatctgcg attttgactt tgaaccctgt 180
ggctactcca tgaatgcgat ccatggctct gcattctcca caatccatgt gacgcccag 240
gacggtttca gctatgccag ttatgagggt atgggcttgg atgccactgc tctgtcttat 300
ggtgaccttg tcaagagggt ccttcggtgc tttggcccct cggagttttc cgttgccgtg 360
accatcttca gggggcgtgg ccatgccggg acatggggaa aggcacttgg tgcagaggtc 420
tatgactgca acaacatggt 440

<210> 25389

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A9

<400> 25389

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 gctcttgag caccacctgt ctagtgggag ctactccagc ctctagacac caactccagc 120
 gccccgtat ggaacaacaa ctccaccctc actgtctgga cagcaagatt cattcacctg 180
 tcatatagtt tcatcgatga atctgaaact tttattgttc ctgtgttgcc cctatccaaa 240
 ggtcatgttc cttggatcaa ctgtaagggtg aaccttttat cctgatatta tgatgtgggt 300
 atgtattcta ttttctcaac agtaggagta cattctaaag atcatagggt agaaatcttg 360
 cgccataaga tagctgctaa agaaaatgaa ctaaaagg 398

<210> 25390

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B1

<400> 25390

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 caagtgcgtc gtcgtcgagc aggcctttttt ccaaagggtg tgggcagaga aaatcccaaa 180
 cattcaggca gtagtccgca agctcgtgga ttcgggtcag ctagagttca taaatgggtg 240
 atggtgcatg catgatgaag ctgctgtcca ttatattgac atgattgatc agaccacgct 300
 tggtcaccgg atgatcaaga aacaattcaa caagactcca agagctggct ggcaaatcga 360
 tccttttgga cattctgcag ttcaagctta tttgcttgga gcagagcttg gcttcgattc 420
 tttgcatttt gcaagaatcg attaccaaga taaggaaaaa gcg 463

<210> 25391

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B10

<400> 25391

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 tggccaggca acaatgttaa ataaaaggaa tgtgttatat tgtgctttca agatgataaa 120

ttgtggcaac caggttttga ttatgtaggc aatattttga caagctactc ttatccagca 180
tgaatgactt catgttagtg cgattgagta gatgttttac ttctgttgcc atcaccagtt 240
caacgctgta ctttcaattg attcgggtccc gtgttttcta gtttgcgttg ttacagatga 300
atttgactta agttttattg ataattctat ttgtattgct tgcaattaga aattgcaatg 360
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<210> 25392

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B11

<400> 25392

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cactcatagg cgactctggc aacgctgagc tggctgctga agctcctgct gcctataccg 180
gcaatggcta cccccaggcc ttgaacgtcg tcaaggggtg caactctggc tccgtcttaa 240
cgacctacat tatctgaacg tccgtgacat gagaccgacc caagagcatg ataacagcta 300
gggaccagag actcgggaata atcagcacta ctctgatgat caagctcgat cacgacgcaa 360
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<210> 25393

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B12

<400> 25393

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gtgttcatgc cgaagtggaa gaacatgatc acctcgcggc gctgccatct cagctgcggc 180
gccgacggga tcggcagcac cggcagcggc ggtggagtcg cgcgccacgc ctctgtcgcg 240
gagacgagga cggctacggc cagcgccgcg gcggccaggc acagcagcgg gcttgccatc 300

gtgctgctgt tattgtcact tctctgctcg cgatggctaa gtgtagcggt atatactggc 360
ccaggcctgt agctgtaggg agggggagat gcgtt 395

<210> 25394
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-B2

<400> 25394

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gagctacca cgcgcccacc gtccgcgag cgctcgctcc cgtcctcggc caccaagaac 180
gtcgtcgtcc tgccgggaaa ggactactcc gaggcgcct cccgctccgc gaggcacgac 240
tcgttcggcg gcgacctoga ctccggcccg agcacgcgt tctcctccat ggacttcggc 300
gacaacctcg acctcactgc cagccccgct cgggagcca tgtcacgggc caccggcgcg 360
caacgggata ttgaggatga gatgcggcg ctcgggctgg aactcaagca gaccatggac 420
atgtacaacg cggcgtg 437

<210> 25395
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B3

<400> 25395

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gggactggag ccacagtagt cttttttgca tatgttggat ttgatgcggg tgctaattct 120
gctgaggaag ccaaaaggcc acagagagac ctaccattg gtatactagg aagccttata 180
gcatgtgtgt tgttatacgt tgctgtatgc ttggtcatta ctggaatggg tccatataca 240
ttacttgggtg aagatgctcc tttggctgag gcttttgctg ctaagggcct gaaatttatt 300
actgtattga ttagtattgg agctgttgct ggacttacaa caacacttct tgttggcttg 360

tatgttcagt cacgtttgta ctttggactt ggaagggatg ggcttttacc ttcagtattt 420
gctgaagtac acccaacaag gcatactcct gtacagtctc ag 462

<210> 25396
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A11

<400> 25396

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gaagcttttag gattaggatt tggatttga tttggatttg gatcgggtgt gtttcctgcg 120
taaccatgag cgagatcatg aagctaaagc gtgggatcag caccaaacca ggagaccacc 180
tcgtccaaaa tggccaacaa catccatgtc acgaatggga ggagcaacag cgctactggc 240
cctcgccgcg ggcgcgcgcg gcgagccga cggagtcgcc caggaccca ggcgggagcc 300
agaagaaggc ggttctgggc aaggtgaaga gcaaggccaa gaaatggatg cacatgctgc 360
atcacaagaa gaaacccgcg ccaccggagg agatgat 397

<210> 25397
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G5

<400> 25397

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tggttgttgg tgtggcgcag gcggtggagt tggagatgga gttgggtgcct gctgatgcaa 120
ttgcgatgac tatggatcat gagccgccgc aggagtgcgc gaccccggtg agcgtggagg 180
aggcgtgccg cggcgcgctg gagacgcacg ccggcgtggc ctacgaccac tgcattggct 240
cgctgggcgc cgacccgcgc agcaaggagg ccggcaacaa gaacatgcac gcgctggcgg 300
tgctggccac caggatggcc atcgaccacg ccgtcagcac cgagtccaag atcgacgacc 360
tcgcggagct ggaagcggcg tcgtcggatc cgcaggcgcg cgcacgcttc aaccactgcc 420
tggagcagta cggcggcgcc gtcgacc 447

<210> 25398
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-G6

 <400> 25398

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ggggagggtgc tgagctgcat gcggcacccc aacatgggtgc tcctcctcgg cgcggtgcccg  120
gagtacggat gtctcatgta cgagtacatg gccagcggca gcctggacga ctgcctgttc  180
cagcgctgcg gcggcgccctg cgggaccgtc atccgctggc agtaccagtt ccgcatgtgc  240
gccgagatcg cgacgggggct gatgttgctg caccagacca agccccgagc cgctgggtgca  300
cctgcacctc aagcccagga acatctgctg gaccgaacta cttgagcaag atcagcgact  360
tctggctggc gcggctcgtg cctccgtccg tcgncgacac cgtgacgcag taccgtatga  420
cgtgcaccgc ggtgaccttc tgctaca                                     447
  
```

<210> 25399
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-G9

 <400> 25399

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tcaagatcaa agaagtcgtc cacagaccct cggcgcacgt tctgccgcc gcaccccgca  120
tccgcgccgc aaccgcgagc cgtccggcaa acgcccgcac ctgcggtagc gccgcagccg  180
cggtttccat cctcctgcaa tcgccagcgc gccctccgcg ctcttgccgt gatccactcc  240
tagatcccgg aggcattgct caagggcggc ggtgaccatc tcagtgggca tccgctgttg  300
cgtcgcggcc gagcgggatg gcgtcgacaa ggtcaaactc cgcccactgc atcactttgc  360
gccacccta gggtcctcgt gttgttgatc cccaacacag accaccagcc accgaggcgc  420
c                                                                 421
  
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<210> 25400
 <211> 453
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-H1

 <400> 25400

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tgcattaatt gtaagaggcg gatgcacgtt tgatgagaaa gtgaaaaatg cacaggatgc  180
tggattcaaa gctgcaattg tgtatgacaa tgaaaataat ggggtgcctg gtttcatggc  240
tggaagctca agtggcatac acatatacgc tgatctcggt tcgaaggcct cangagaggt  300
gctgaagaaa tcttcaggac atactgatgt agagggtggt atactaccta cattcgacaa  360
ctcagcctgg tcgatcatgg caatctcatt catatcgctg cttgccatgt ctgctgtatt  420
agctacgtgt ctctttgtga gaaggcatcg aat                                     453
  
```

<210> 25401
 <211> 302
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H10

 <400> 25401

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gggagaagct gaatggcagt aacgggatcg catgctcaag cagaccgatc tcgtccatgt  120
tcgtaatggt gtaactctac ctgtactgtc tgcaagggat cactgacgac atgtactcct  180
gataccggct tcacaaggaa gactcagtgg ttgctataac tatgtgtgtc gatatatgcg  240
aagactggct cccgatcacc ttgaacatcg atccatcctc tctctaagac gttctggaca  300
gt                                                         302
  
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<210> 25402
 <211> 161
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H11

<400> 25402

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cgatcccaac acgctcgacg agcactcccc atcttacgcc gacatctcca caccatgt 120
cgctcccgac gccactccaa tctcccttga cgctgccgat c 161

<210> 25403

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-H2

<400> 25403

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ggcctgcatt gtgctcgcca cggcgatgct agctacacta ttcgcggttg gtttgtgcac 120
caccgcgtc accttacagg tcggttaagg atccaagcct ggccacctga tctcaccac 180
gaacgttgcc accatatccg acgtggagat caaagagcat ggtggcgatg acttctcctt 240
tacgctgaag gagggcccga ccggcacctg tacactcgac accaaggccc cgctcaagta 300
ccccctttgc atccgctttg ctgtcaagtc tgggtggctac cgcacgccc acgacgtcat 360
ccccgccgat ttaaggctgg caccacttat atgacgacac tcagcatcta atcagcatct 420
gaagatgaac tatatttcaa agagctcatc tggcgca 457

<210> 25404

<211> 278

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H3

<400> 25404

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ggcttggtt gcctatggac ggtgaaacta ggtgcactgt tcgagaatga aacgtacatt 120
agcactca acttatacca caaactgttt tcaaaaaccg gtgactttat ccgcgctgca 180
aacattgaaa ccatatacga cgtatgacat caaagatcat ggtggccatg acttcaactt 240

tacactctaa gagggccatg cacatctcct gtacactc

278

<210> 25405

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H4

<400> 25405

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agggtggaggt gcaatacttc catgagaatg caacttttgc tactgttggt ggcacgaagc 120
cgactcctgt gattgatctt tctgggacag taagtgtcga aggagttgca tttggtgcat 180
aagctgggta tgacactgct acaggaaaat ttaccaagta cactgctgca attggtgtaa 240
ccaagccaga ctaccatgct gcattcattc tggcggacaa aggtgacacc attaaagtgt 300
cagggtgttta tcaccttgat gagaaacaga aggcctcagc tgtggctgag ctaaccgga 360
ggctcttaac aaatcagaac acactcacag tctgtggact gtacac 406

<210> 25406

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H5

<400> 25406

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aggcatgact acaagccgaa gcctacgct gatgccgcca ccgcggcgaa ctactcgtcg 120
ttgtggtegc ccaagcgct catgcagcgc gctgcccgcg ctttacgccc cagtacgtcg 180
ctgccecgct tcaggacggt caaggacctc gccgaggaac gggcctcagt gctcgccggc 240
agcttcaagg tctctgatga ggccgctgcg gctgctaccg aggtgccaac tgcagggtgc 300
aagaccttca tcagcaacta tgcccgcgac ggcgccatgg tcagctgtgc ttgacgagct 360
gaggctgctg caccacgatg actataatcc tgagatcggt cgcgtgaaga tcatactcga 420
tgacgcgttt cctgtcgatg ctgcttag 448

<210> 25407
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H6

 <400> 25407

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 gtcgacccga agccgatccc gggcgactgg aacggcgccg gcgcgcacac caactacagc 120
 acggagtcga tgaggaagga gggcggttac taggtgatca atgcggccat cgagaagctg 180
 aagctgcggc acagggagca catcgcgga tacggcgagg gcaacgagcg ccggctcacc 240
 ggcaggcacg agaccgccga catcaacacg ttcagctggg gcgtggccaa ccgcggcgcg 300
 tcggtgcgcg tgggccggga gacggatcag aacggcaagg gctactt 347

<210> 25408
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H7

 <400> 25408

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 acggagtcga tgaagaagga ggtcgtatac taggtgatca atgcggccat cgagaagctg 180
 aagctgcggc acatgtagca catcgcgga tactgcgagg gcaactagcg ccggctcacc 240
 gtcattcacg agacctccta catcaacacg ttcagctggg gcgtgaccaa ccgatgcgcg 300
 tcaatgctcg tgttccgata gacggatcat atcgacaagg tctacttcta ggaccgtcgc 360
 ccagcatcca acatggaccc atacgtggtc acctacatga tctccgaaac caccatcatc 420
 tggaagccct gaggtcta 438

<210> 25409
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H8

<400> 25409

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gccggcgatc aggggcaaacc cagcctgatc gacgaggacg gctagggggc ataaccacgc 120
cggcgacaac ggaccacgac tacgatctcc gtagtcgggg acctgctcac ttgggcatta 180
cagcccttga cattgactga tacaaatctc tgggccctcg tttgtcttat gttaccactt 240
accagaattg caatcgatag tgacatctct tggatatattc atgaagactt acacgagttg 300
tgatagctag cttggataga cagaatgccc caggtgtggc tgagctaacc cgggagctct 360
caacaaatca gaacacactc acagtcggtg gactggacac aagtgatccc cagacagctt 420
tg 422

<210> 25410

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H9

<400> 25410

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gcggtgccag cccacgctgg tggtcgagct ggcgctcccg acgcacgcgc tgcctccgca 180
gctcggcgcc cagcgggcg cgcgcatcgt gctggaggtc gagaagcgcg ccgagcaggg 240
caccgtcgac ggcaacgagg ccatcgtcac caccgaccac gacgggtggg tgcctggagga 300
gctcatgtgg accatgttct gcaacggcaa gaggggtggc tacgcggtgc ggcgggaccc 360
caccgaggag gacatcgccg tgcctggagac gctgtggggc gtctccatgg gcggcgcgct 420
gctccccggc aggtcggaca tgga 444

<210> 25411

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A10

<400> 25411

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ggggttccct ttttactggc cccctttttt cctcctcttc tttttacttt gttgactttt 180
tttttttggt cccttgattt cttttttcct cctcgccttt tacaaaacct gtgttggaac 240
tccctttggt tcccctactt taattccctt tttccattc ccttttttcc cggttggggt 300
atttcccaat ggcccttccc cttttgtctt tccccgcatt tgctaatacat aattgccttt 360
tggccccc 369

<210> 25412

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G3

<400> 25412

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ctgctttgaa ccatgagggtg atgcagattg gccaggcaat gtataaccag tctgggtgcca 180
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catgaccatg tgttgagcat gggtggcata aaggagagtg agcaaatagt tccttttttg 360
tggtgggatt tttactgtag gctatctagt atggagttga tagcggtagt gtttcgcgaa 420
cttttctctc gtgattttga ctcaacaatt ggctg 455

<210> 25413

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F10

<400> 25413

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cttagttctc attcatttga aggcagacca tgcataatcaa acaggaagac accaggccta 120

acacgcatgc atcctactac atacaacaac acttaccoga ttgactatac tacaccgatc 180
aactgtctct tccttgccag gcctgtatac ttatatgcat ctgactaaat caaatcttcc 240
atgcttctac gctgacgctt gcgactcccc aaacttctac g 281

<210> 25414
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-F11
<400> 25414

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cagtagatgg aaaccatcaa gcctgtgttt ttctggatac tccaggacat gaggcgtttg 180
gtgcaatgag agctcgagga gctagagtaa cccatatctg tattgttggt gttgctgcgg 240
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caattataat agcaataaac aagatagaca aggagggagc taatgcagaa cgagttatgc 360
aagaactttc ccaaatggg ataatgccag aaatgtggg tggtgatacc ccaatgatcg 420
agataagtgc tcttactggg gataat 446

<210> 25415
<211> 399
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-F12
<400> 25415

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gcttgcatat gaaactcggg gcgcaacgca ctggaatcac gcatatccct gtctatgacc 120
agagaagaga tgctatcact gctgcgcatg tgtggatact tcaggacact atgcatgtgg 180
ctcattctga gctgcaaccg ctagctgacc cgctgtccga actggtgtgg tccatgcaga 240
gtatcgagct catgcacgac acagataaag caagttcacg tgctaggaca cgtggcgtgt 300
cctgtatggt cactattcac aggatcatcg tggcataagc tcctgcatac atacttatgc 360

tagatctttc ccaatttact ataccgcctg aagaggata

399

<210> 25416

<211> 66

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F2

<400> 25416

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cggaag 66

<210> 25417

<211> 414

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-F3

<400> 25417

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aacaaatatt tcaaggcgat cgtgactgac gaagatgata tggagtcgat agcaaatcga 180

tttctgtcag ctgctatgaa gttggatcgt aaaccctcga agtgtgtggt gttcgaggat 240

gacccaaggg gcgtgacaga cgccacaaac tgtactatga tggcagtcgc attgattggt 300

gctcatacag cgtatgagtt ggtacacgca gaccttgcca ttgcaaagta cagcgagctc 360

tcagtgatca acctcagaag gctgtttgcy aacaagggaa tcagcttcat ggac 414

<210> 25418

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F4

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tatgcctcgg tctggcgccc cttttcctac tctccctcct cgtgtccagc gtgatcagtg 120
 cgcggaaccgt ggtcgacacc gtgcaggacg cgtgcagcaa gacccatgtc cacaagatct 180
 gcgtggacag cctcgacggc aagccggaga gccagaaggc gacgccgcgc aagctggcgg 240
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 tggaggaggc cgtcgtccac ctgaacggtc tagttcggga gccaccgac gccaaagtgtc 420
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<210> 25419

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F5

<400> 25419

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 gcgtccttg gtgcggcgcc ggccgccgcg aacgcgcccg gcggggcggtt cagcaactgg 180
 gtggcgatga accagcagag ctacgcgctg tacgcgcaga agtccgtcgg ggactggggc 240
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 gaccccagcg gcaagggcga ctacaccaac atcaccgcgg cgctggagga tatcccggtg 360
 agcaacacca agcgcgtgat cctggacctc aagcccggcg ctcagttccg cgagaagctg 420
 ttctgaaca tcagcaagcc gttcatcacg t 451

<210> 25420

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F6

<400> 25420

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 ggtcgtgcat ggcgcgaggg aagaaccaat gggcatctat gcctactcgt cctggcctcc 120

tgggtccttg aacctcaaca agccggcctc aacgggcaat gccgagcctt acacaactaa 180
cgctgtacac agccgcatga gcacgcctct gcacacgcac tagtacgccg acaaccg 237

<210> 25421
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F7

<400> 25421

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aaagatcccc tcgtacctga gccgcccctg gaaggagtcc tcacgcctcg tcatcatgga 180
gagcaccatc gccgacttcg tcaagccata ggggtacatg ccctggaacg gcgacttcgc 240
cctcaagacg ctctactacg ccgagtacaa caaccgctgg ccagttcct gcaccagcaa 300
gagggtcaac tggccctgct tacacgtcat ctgacggaag gaggccgagc cgttcaccgc 360
cgggccgttc atcgacggcg ccatgtggct caagtacacc gtcacgccgc acatactcgg 420
tttcaagttc taaaggccgc at 442

<210> 25422
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F8

<400> 25422

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gggcatcatc gacaagatcc aggagacgct ccacatcgga gccgaccaca aggaggagca 120
cgagcacaag aagggcgagg agcaccacaa gaagggcgag gagcaccaca agaaggacga 180
cggggagcac aaggagggca tcgtggagaa gatcaaggac aagatcaccg gcgagcacgg 240
cgacaagtcc gccgaccaca aggacaaaga ccataaggag aagaaagatc agaagaagaa 300
gaaagagaag aagcacgggg aaggccatga ccatggtgat ggtgacggtc acagcagcag 360
cagcagcgac agcgactga 379

<210> 25423
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F9

<400> 25423

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cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgttcgcg agaggggaac   60
gagcagcctc caataaaagc cagcacatcc aaataaaacc gagagacctc agccctcagg   120
caagccgacc gccgacgtac caccgcgcca acccgagaga aagatggaga tgatcaagag   180
gatcctcatc gccgcgctcc tcgtagtcgc cgtctcggcc accgcagtgc tggccttcac   240
cgaggccgcc gccgcggcg cccagccgc ctccgagtcg tcggcgtcgc ccgaagcccc   300
cgctggcgcc gccggcgccg gcgccggcac cggcaccgcc gcggggccct ccgacagcgg   360
cgccgcgccc gccctcgccg ccgcgcccgc cgagctcctc ttctgcctac tcgcctacta   420
cctgcactaa gccgacggac                                     440
  
```

<210> 25424
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G10

<400> 25424

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cccacgcgtt cgcccacgcg tccgcccacg cgtccggcaa attcttcttg catggagctt   60
gcttcaaagg agattactgt gaattctccc atgactgcaa tgatcaacca gataatgttt   120
gcactttcta ccagaaaggg acgtgcacct ttggtagccg ttgcagaaat gaacatgttg   180
aagttcattg taactgcccc caaccagcaa ccaactgtagc gcgtgcatcc tccaattctt   240
ctcagctagt tgcttcttcc agagatcccc attgcagcga atgccaaacg gatttatgtg   300
accaaacaca gcagatttgc aagtcaacag cagcactttc tgcacatcaa cctgcatggg   360
ttgttgatta tcatgaccat gacactccag atgatactac aagctggccg ttgcaccaag   420
ctgtgc                                     426
  
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<210> 25425

<211> 368
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-G11

 <400> 25425

 cccacgcgtc cgaaaacacg tacctccacg cgtacagcaa agactagttc catggagctc 60
 gtgtacacag gacatgactg agaagtctcc cctcactgca atgatcaacc aggagatgag 120
 cgcgctttct accagcaacc ggacctacac ctaacgctat ccgttgcaaa gacgatcacg 180
 gtcaacttaa gagcatccgg caacaccacg acaccactct caagggcgct tactccaatt 240
 actttaacct cgttgatgcc tgcataatcc accatatcag catatgccaac acggactaat 300
 gtaacctatc actgcacagt tactagccta caccaagact gtttaccat caacctagct 360
 gggtcgac 368

<210> 25426
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-G12

 <400> 25426

 cccacgcgtg cgtcgaaatc tgcgtggcac ccatatggct gcggtcgatg cggcggaata 60
 agaacgtaat catagacacc gaccccgtaa ttgatgacgc gatggccatc ttcttgggcg 120
 tgcggtctcc ggagctggag gcgctgggccc tcaccactac cttccgcaac gtgcacaccg 180
 ccctcgccac gcgcaacgcg ctccacctgc tggaggctgt tggcaggact gacatcctcg 240
 tggcagatgg atcccatgta acgatcaaga aagccaccaa gctgaggatc gcaagcttcg 300
 tccacgggtc agacggcctg ggaaaccagg acttccttcc accagctacc aagcctgtag 360
 atcagttctg tgctgcctta ctggctgagc aggcaaatct gtaccctggt caagtttagca 420
 ttgtcgccct cggaccactt ac 442

<210> 25427
 <211> 424
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-G2

<400> 25427

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tcgcccacgc gtccgggcct tatttttcag ggctgggacg atccatatgt aactcgtact   60
catgaaggtc tcctgaagtg gaaataccct gagatgaatt ctgtggactg tctgttcgag  120
cttacgaatg ataatcgta actggttctc ctttatgaga gaggaaaaaa gaaactcatg  180
gatggtgccc ggatagcatt tactgacgat gtagatccat cctctatcgc cgggaggatt  240
gttgaatgct cctggaataa ggaagaacag tgttggtcct gtatgcgtat tagatctgat  300
aaatctactc caaacgacat caacacatac cggaagggtga tgaagagtat cacagataac  360
attacccgan gaaaagcttc tcgaagagat tgatgagata agtcttctcc cgatgtatgc  420
tgat                                     424
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<210> 25428
 <211> 453
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-F1

<400> 25428

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tcgcccacgc gttcgccac gcgtncgcgg actcttggct cctgaccccc aagttgaaat   60
tgagggccaa cagctgataa tggaatatgc caatgtgggt gcggaggaca gtcacttggg  120
catgtcgaat tcggttcaga gtgctcttcc tcacgggctt cgtcagggtga accggatgat  180
gtgtcaattg atattgcttc catgacaaaag catactaata aaaaccccaa aaagaagaag  240
ttcttctcta agcttcggaa actggtgctg ggaaaaggga aagagaaccg tgaaatttct  300
actctggaga ggagagtgtc tatttcaagt tgttccttcg atgacttcac tggaagggat  360
tcacatgata gctattcttc gttcatggca gaaccaaaca tgcttgatag tcgacggcat  420
ggtgatcatg gctttggtac acattcttct ttg                                     453
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<210> 25429
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D6

<400> 25429

gaaaagaaaa ggaacctgtc ttgatgtcgt cgtcgtcgt gtctccgacg gcggggagga 60
ggtcggggtc ggacggcgac tcggcgggcg acacgcacag gcgcgagaaa cgccggctgt 120
cgaaccgcga gtcggcgcg cggtcccggc tccggaagca gcagcacctg gacgagctgg 180
tgcaggaggt ggcgcgctg caggccgaca acgcgcgct ggcgggccgc gccgtcgaca 240
tcggtccca gtacaccgc gtcgagcagg agaaccctg gtcggggcc cgcgccgtcg 300
agctcggcga ccgtcttcgc tccgtcaacg aggtgctccg tctcgtagag gagttcagcg 360
gcgtcgcat ggacatccag gaggagatgc cgcgggacga cccgcttggt cgtccctggc 420
agctgccta cccggctgcc gccatgcca t 451

<210> 25430

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D7

<400> 25430

acgcgtgcaa gtaggatttt gatgaacacg acctgcttgt gtggtgctgg atcgtactct 60
gtgggtgaag gtgcttgaca cgctggaagg cgagtgaag catgattctc tgatcacgag 120
acatgttgag aatagataaa cacggacaac agctctgtac atggcagttg gcaagctatt 180
gttacttgct aatcggttg tacctgaaat gatctctaag ttggtctgtt atcaaggcct 240
gtacaccgga tagagttgaa gacgcaggat ctaatagcca atga 284

<210> 25431

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D8

<400> 25431

gtaccgaacc tgactatcaa taggattgtt cttcgtgata ataactaggt tcggataatg 60
gatgatggtc gcataggcct gctttatatg gccctttact cccgtgttgt tatggatctt 120

tgctaaaaac atgatcaaga tatcagcttt taacaagtca agggcgattt ttacacattt 180
 aaagggaat ggcgcttata acaacttggg gatcagcaca ccctgtcgaa gtacatgggt 240
 gaaactaaga tgcataggga cacctttata tctgaatcta tccttgaaga ggtataacca 300
 tatatgtaat tcttcatata atgtttcact tgtcatgcta agatggataa agtaggtttt 360
 tatgtgcaca ctgtattctg atctggatat actagcgctt ttcatagataa tgggcatgct 420
 tatttaaga acatgatgat catatactt 449

<210> 25432

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D9

<400> 25432

cggactcgtg ggcggactcg tgggaggact cgtgggcggc gtgcacatca gctgggtgcg 60
 ctcggtcacc atggactcct ggaccgaggc gcagctccgc aagatggagg ccggtggcaa 120
 cgaccgactc aacgccttcc tcacagctcg cggcgcttct aaggagacgc cccacgtcgc 180
 caagtacaac ttcaacgcct cagccgccta ccgcgaccgc atcgccgcgc tcgctgaggg 240
 aaagccgtgg actgaccgcg ccgtgggtcaa ggagactccc ggatctggcg cccccgcccc 300
 cgctaggaag ccgcccgtgc acacatctgc cgactccggc tgcggctggg gggacgactg 360
 ggacgacgat tttcgcccg acatgatgcg gaatcagtcg gttggatcgt tcgtcgacgc 420
 ggggtgcgcag tcaggga 437

<210> 25433

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-E1

<400> 25433

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 gttgatgatg ctggacaccg tggaaagcga atgagaaaat cattctctga tcaagaagca 120
 tcttcagaag agtcaaacgg tcagaacagc tctttacagg gcagtaggca agctattgtg 180

acttgttcac cggtaggtac ctcaaagat cttcaagttg gtctcttata aagcaaggca 240
gcaaggaaag agttgaggaa gcagaagcga atagcagctg agaaagtgtg tgatctttgc 300
ggcagatcaa tgctctctgg aaaggatgtt gccaccttgc tgaactgcaa tacaggaaaa 360
ctagcttgca gcagtagaaa ttcaagtggg gcttaccata tatttcacac ttinctgcctt 420
ttacactgga ctattctgtg ccaatacgag atgc 454

<210> 25434
<211> 448
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-E10
<400> 25434

ctacgaggta ctcaccgagc ctctcaacca ccatgttgca ctgtccaggg gtcattgggt 60
cgtcgtagag caaggcctgt gattgaatgc atccaaacaa cgacaccaac gccaacatta 120
attaattagt agtctccatg ccctgggatt gtgcgtggcc gctccgttaa acaccacca 180
tccttcgttc ggcatttttt ccccttgtt tatataattt tattgtatcg ttttggcaaa 240
taattttgtg attcgacccc aaagcaagtt tggttgtctt acgatttgta aacctggaac 300
aatatataat gtgattgaac tgctttgtct aaaaaaatag aatctaaata tgcaaacccc 360
gtggccgtca ataaacgatt aaacactaac gtactaaagg ccacaaaaca gaaagtcgct 420
aacaaagtac aaatagtcg tgcatggc 448

<210> 25435
<211> 294
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-E11
<400> 25435

acggccactc gtacgctcac tcttgactg accattgggc atgggctcgt cgtagagggg 60
ggcgtgtgat tgaatgcata ctaacaacga cactaacgct cactttaata agtatgagt 120
ctccattcac tgagattgag cgtgctcgtt gcgataaaca ccacccatgc ttcgaacagc 180
atttaacacg tcttgcttat ataattttat tggaccacta tgtccaataa tgacgtgatt 240

atacaccaga tcatgattgg tattcatact attctctaag ccgaaacaat atat 294

<210> 25436

<211> 440

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-E2

<400> 25436

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gtgatctgcc cgatccgtgc ggttgggtct ggatcgggtg gtgaaggtag cgggcgcgga 120

ggaagatggg gctcgcgttc gggaagctct tcagccggct cttcgccaag aaggagatgc 180

ggattcttat ggtcgggtctc gacgccgccg gtaaaaccac catcctctac aagctcaagc 240

tcggcgagat cgtcacaacc attcncacca tcggtttcaa tgttgaaact gttgagtaca 300

agaacattag cttcacggtc tgggatgtcg ggggtcagga caagatcaga cctctctgga 360

ggcattactt tcagaacaca cagggctctta tctttggtgg ggatagcaat gaccgtgacc 420

gtgttggtga agccagagat 440

<210> 25437

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E3

<400> 25437

cccacgcgtt cgccatttcc aaatccacac ctggcccggc tgccccaaat gcgtcggcat 60

cgcgccgtcg ctgctgcaca ccgtcgatga ctcccgcccc ttogaacgcc gtcggcgacc 120

tcttcgctgc caacctcaag ggcgcgctcc ttgcggttgc ctctccgcc ttcattggcg 180

ttagcttcat cgtcaagaag aagggcctac gccgggccgt caccgcgggc gccgcgcag 240

gtgttgagg ctatgggtac ctcttgagc cactgtggtg gattgggatg gttacgatgc 300

tgattgggga gattgccaat tttgtggcct acatgtttgc gccagctatt cttgtgacct 360

ctgttggtgc gctcagcata attgtcagtg ctgctctagc ccatttcacc ctgaatgaga 420

agctgcagcc gatgggtgtg ttgggctgtg tgct 454

<210> 25438
<211> 452
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-E4

<400> 25438

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gggcgacgtg accatccagg tggatggcaa tctgctggcg accacggacc taagccagta 120
caaggaccat ggtaattgga tcgagattct acgtgtggat aacctgggtca tcaccggcaa 180
gggaaacctt gacgggcagg gccagccgt gtggagcaag aactcctgca ccaagaagta 240
cgactgcaag atccttccca actcgctggg gatggacttc gtgaacaacg gtgaggtgtc 300
cggngtcacg ctgctcaact tcaagttctt ccacatgaac atgtaccggg gcaaggacat 360
gctgatcaag gacgtgaccg tgacggcgcc cgggtgacagc cccaacacgg atggcatcca 420
catgggcgac tcatccggga tcacgatcac ca 452

<210> 25439
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E6

<400> 25439

catacgggat cgagtggcgt gaccaaagat aagaagggat ggcttggttg gggcgcgca 60
ggaaggtgcc tagggcgatg actagccatc aaaggtgggg agtaaggatg aaacaagtga 120
cccagggaag caaaaggaga agggcatttg gaagaagaaa aagggtggct catctgctga 180
gtctgtataa catgatagcg agtacaagaa ggggttaaga ccagtgttgt ggttgacacc 240
cgattgtcct ctgaagacag atgaactcat acctctgctt gatgtactat caaacaagt 300
gaaagctatc acgaagctta aggaactctt gacaacaaa cttcctacaa gcacatttcc 360
agtcaaaatc gccatcccta ttgtttcaac gatacgagtc attatcacat tcacaaagtt 420
tgaagaacta c 431

<210> 25440
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E7

<400> 25440

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ccccacgctc cgccacaca gaaaacccta gccgccgcca ccgaagcggc ctcccaggta   60
agcaggatcg tccagcccgc cgccgccatg aagcgcaatc ccgcgcgtcac gagctcccgc  120
cggaagtgcc gcaaggcgca ctttacggcc cgtccttcg ttccgcggg ttctcatgtc  180
cgcggggctg tcgacggagc tccgccacaa gtacaacgtg cgctccatcc cgatccgcaa  240
ggacgacgag gtgcaggctg tgccgggcac ctacaagggc cgtgagggga aggtggtgca  300
ggtgtaccga cgccgctggg tcatccacgt cgagcggatc acccgcgaga aggtgaacgg  360
ctccaccgtg aacgtgggca tccaccctc caaggtgatc gtcaccaagc tgaagctcga  420
caaggaccgt aaggcgctcc tcgaccgcaa                                     450
  
```

<210> 25441
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E8

<400> 25441

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atttcatcaa cgaaattcgt caggctggca gaaatggaga actttcaggt gagactttca   60
tgttcttcaa caagcagatc ataggaatca agagggagat catacagctt ggtgtaccgt  120
tatttcaacc taccacagag gatgctaatt gtcacacata accaatcccc cttgtcctgc  180
aggctgtcat tgaccacctt gttctttggc gtttaatacc agaaagcagg aaaccaaata  240
gtgtcgacat caacttcttc gatgaggatg aacattcgca tccctacttc aagcctcccc  300
atcttgacaa cccatttgc actcttctgc tgtctgaaac cagcatggca tttggcatgt  360
cacttgtcac tgacagcaac ggtaactaca aaggacctgt cacactttca ctaaagcaag  420
ggtacttact agtgatgctt gggaacagtg c                                     451
  
```

<210> 25442
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-E9

 <400> 25442

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 ggccctttcct tcctcccagc cgcgcgcgcg gaggaagga gaagaagaga ttagaagggc 120
 gccggaagga gaagaacaca gctacattga ctagccaata actaggaaaa aaacaaaatt 180
 agggtcggcc gggcaggccg cggcgcgcgg tggcgcgga ggggagcagg ctccacgcgc 240
 ctcttctctc tgccttcacg tgatcgatcg gttcaagaac acgccggaat tgaagtctcg 300
 catt 304

<210> 25443
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D5

 <400> 25443

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 cgagccagcg ccgatagctg aagcaaggca gggcaagaga atccgtacgt cgaggtgcaa 120
 gtcgtaggta ggatggacgc ggaccagtca ggcgtggttg cggcggcggt gaagccggcg 180
 ctggccaagg ggacgccgtc ggcgtcgctc cggctgcgca acgggagcct gaacgcggtg 240
 cgctccgac gcgtgttcga cctgttcgac cgcaacgggg acggcgagat caccgctgac 300
 gagctggcgc atgcgctgga tgcgctgggc ctggacgccg accgcgccgg gctgttcgct 360
 accgtctgcg cctacgtgcc cgacggcgcc gtgggcctgc gcttcaagga cttcgacaag 420
 ctccaccgtg cgctc 435

<210> 25444
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-C11

<400> 25444

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gctagagccc tatatctacg agggcgaaga agagacgaca cctgctggca tttttgctag 120
aggctcctat tccgctaaac taaagtttgt tgatgacgat ggcaagtgt tcttgagat 180
gagctactac tttgagatta ggaaggagtg gccaggaggc caatggatgt ggccggacca 240
gcagggcaga gctgactcgt cggagtacgc tgttggttaga gctcatagca aaaagccaag 300
cagaaaatat gtgctatcgc ttcaagaatg tttcactact ttcttcgtca ttatcgattg 360
tgttttgatt tgtttcgagc tgtcattaat tgtatgttgt ttgtcgcata aggctgctta 420
ttcgcatata taat 434

<210> 25445

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C12

<400> 25445

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atgtccaggt cgccttcagc aacgccgacc acaaggacag cagcaccaag gtggaacagc 120
cggcggacag ctccctgaag ccggcgagcc tgaacgcgtt cgacatcatc tcccactcca 180
gagggttcga cctgtcaagc ctgttcgagg tggaccaaga gcagaaggcc agcaactcgc 240
ggttcatgac ccagaaaccg gcgtcggcga tagtgtcaaa gctggagcag atcgctgaga 300
cagagcgctt catggtgaag aaacaggacg ggctggtgaa gctgcagggg tccaagcaag 360
ggaggaaggg gcagctcgcg atcgacgccg agatcttcga ggtgacaccg gcctttcacg 420
tcgtcgaggt gaagaagtcg gc 442

<210> 25446

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C2

<400> 25446

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 tgagctccat ggaggtgatg ctggacgcgc tcatgcagcg agggataggc aagccggaag 120
 aagccagcag caagcccaaa gaagaggagc cgtcaccggc gctgcccagc cgcccagcgg 180
 tgcgaggcag actccccggc ctgcataggc ccggcggcac agcagcggct ccgtggatcc 240
 accggccatt cccggtaccg cagccaacgc aggaagacga tgaagagaaa tgtctggtcg 300
 gtcgggagct ggaaagacgg gcggccaagg cagaggagga agtgaagcag aaagacgagg 360
 agatgaggca gaaagagcag ctcatcgcca cgctgcaacg gcaggtgcag cactacgaat 420
 cccggctctc ggaatgcgag gtcaggatga aatct 455

<210> 25447
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-C4
 <400> 25447

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 tctgatactt acagatttca cagaggctctt gtttattttc tactattttc cttcaagcac 180
 gtggaatagt acgtttgaca aacaatttgc tgacgagggtt ttcgaacacg gctgaacacg 240
 cgcgcaaggc gtgcacagta cacgcgcgca tggggaggag gagaacaaga ggatggtgaa 300
 ggcaaggccc aagccaacgc cgggtcaaagc ggccccagaa gtgatcttcg acccaatggc 360
 ctctggtgcc cggaagcccc gccgaccagg ggcgccgtca gccagcaaag aatggcacag 420
 cttcatggga tcgagtctgt cggatatgta tcggaa 456

<210> 25448
 <211> 453
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-C5
 <400> 25448

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tgggtgcccac ctctgtccca atcaaactga tcgatccgtc gcctgcaggg ccacagcagc 120
 cgcggcgagg tcgtccgtcg gattcggaag ctcaattatt actgaaaaga taatacagta 180
 cctatggctt ctctggacgc cgtgcgagga gacctcgccc tgctgattct gtacctgaac 240
 aaggccgagg cgcgggacaa gatctgccga gcgatccagt acgggtccaa gttcatcagc 300
 aacggcgagc cagggcctgc gcagaacgtc gacaagtcca ccagcctggc ccggaagtgc 360
 ttccggctct gtaagtctgt caacgacctg cacgctttga tcagccctcc tgccaagggg 420
 actccgctcc cgctgatcct actcggaag tcc 453

<210> 25449

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C7

<400> 25449

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 cgtgaaacgt gacgaggtgc tcaacggcgc tggacgaggc tggctccgac tacgagatcg 180
 tgcccatcaa cttcgacacc ggcgagcaca acatcctgga gcacctcgtg ctcaaccctg 240
 tcggtcaggt tccagctctg cacgatggcg acttgtaact ctctgaatca cgagcactct 300
 gctactacgc tgctcgcaaa atcaagccag agctgttgac ggaaggaaac ctcgacgagg 360
 cagccatggt cgatgttttg atcgaggtgc aggctatcca gtacaccgtt gcactgaatc 420
 ccatectctt gcaggtcctc atca 444

<210> 25450

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C8

<400> 25450

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 aggaggacat ggtgcacggg acgctggagg tgctgctcgt tggggccaag ggctcagaga 120

acaccgatta cctctgtaac atggatccgt atgcaattct caagtgccgt tcacaggagc 180
agaagagcag tattgcaact ggaaaaggaa ctacccttga gtggaatgaa aactttatct 240
tcactgtgtc tgaccggaca acagacttgg taatcaagat tatggacagt gatacaggca 300
cagcagatga ctttgttggg gaagcaacga ttccattgga agcagtgtat actgaaagga 360
gcattccacc aacactctat aatgttgtga aaggtgaaaa atactgcggg gaaatcaaag 420
ttggtctcac attcactcct gaggatact 449

<210> 25451

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D1

<400> 25451

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gatggcggcg cgccgtgtc actgacgtct gcagcgggtg ccgcgccgag cgcgcgatcg 120
ctggcgatgg ccgtcgaggc cagcatggag cgcgcgcgcg actgtcggcg ccacgagcac 180
cagctgatgc atcagccgag catccaccgg cggtcgggtc ttgcgtccgt gacctcgttc 240
acgatgcagt gggcatcagg gtcggcgtct g 271

<210> 25452

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D10

<400> 25452

cacagccgga cgatccgagc agagaagggg aggtacctgc tacgactagc tagagtccac 60
gcgcgatggc gccaccagg atccgcgtgg ccttgctgag cttggcgctg gtggggctgc 120
tcattctcca cctcgccacc accgcctccg ccggcaagaa cagaatccgc atcctcgaca 180
gcgctgacga ctcgccggg gacaacaaca gctccgacgc ctcgccggg gacaacagca 240
ccgactccga gtcggaaggc cgcgtcgtct attccgacat gaagctggct gatgagacgg 300
gatctgcgcc ggctccggca ccggcgccgg ggccgacgac cagttgaagc gaggaaggtg 360

gccaaaactg agggcccggc tactatcttt tgctataact aaagataggg ccaagtttaa 420
 tttctccgat aaattctgtc cgagca 446

<210> 25453
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-D11
 <400> 25453

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 ggcccaagct agtgccaatg gcgagggcga tgctcgtggc cctggcgctg gtcgtggtgg 120
 tggcggtgga gatcgcgacc agcgcgttcg ccggcaagat cagaatgagg atactagaca 180
 gcatcgacga ctcgatcatt tacaacaaca ggtccaacgc ctgagcctgg tacaacatga 240
 cctacttcga gtcggaatgc cgcgctcttct attccgacat gaagctggct gatgagacgg 300
 gatctgcacc ggctcctgca acgacgccgt agccgacgac cagttgaagc gaggaaagtg 360
 gaccaaactg aaggcccggc tactatcttt tgctataact aaaaataggg cc 412

<210> 25454
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-D12
 <400> 25454

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 catctacccc taacctcccc cgctcgcgat tcccgaggcg aggtgccacc caccgcagat 120
 ttcttccgac ggacgggttg ctcgctcacc ccctacttcg ctgatcggat cgcgtgctgc 180
 ccgaggtaga ggtgatgata aggcatagtt gtttgactta gctgcctta gctatttctt 240
 gaagctaagg gaaataataa ttggtgttat ggcatttaga aatatggttt gtactcccca 300
 agtcattaat cttacatcag actcagagag agggcaagct caaggaggca atggtagtga 360
 gatatctgag caaggtgcac aacatgctgt cagagttgta ggaaatgcaa tgaacattgg 420
 tctctctggt gtgcgaagtt actatga 447

<210> 25455
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D2

 <400> 25455

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 cgcagcgcgc caaatgccgc tccaacccta gcctctcgcc atgcctttcg atctcgggcg 120
 gccatgggaa actgatgccg ctcgccggtc gccgtcgcgc gggaggacgt cagctcctcg 180
 cactttcccg catccacctc gtcattggagc tctgcgaggg cggcgagttc ttcgaccgca 240
 tcgtcgcgcg ggggcactac accgagcgcg ccgtcaccaa tgtcactcgc accatcgtcg 300
 aggtcgtcca tttctgccat cggcagcagc tcatccaccg tgacctcaag ccggagaact 360
 tccttttcgc caataagaag gagaactcgc cgtcgcgcag cgccccctctc gatatg 416

<210> 25456
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D3

 <400> 25456

ggaacatcca tcgatcttcc cccagcggcg aggagagccg gcgggtcacag gaaggagaaa 60
 gggcttgccg acacaacgct ctccgggtgt ttttcatcct agccgtggta tgtgccgtat 120
 gcacagcgaa aaggacagga gccacaagg aagaatcggc ggcagcccc ggtggcgctg 180
 ctggaggcag cggcgggacg ttcgacatct ccaagctcgg cgcgaccagc gacggcaaga 240
 cggactgcac aaaggcagtc cagcactcgt ggacgtcagc gtgcgaagcg accggaagcg 300
 ccacggtggt gatccccaag ggcgactacc tggtcgggtcc tctcaacttc actgggccat 360
 gcaaggggag caacatcgac attcagctgg atggcaacct gcttggatca aacgacctgg 420
 acaagtacac ggtgagctgg atc 443

<210> 25457
 <211> 304

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D4

 <400> 25457

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 ccacggcagc gcccacaatc ccgttccaac cctagccttt cgccatgcgt ttagatctcg 120
 gtcggtcatg ggaaactgat gccgctcgac ggtcgctcac gcgcattagg acgtcagctt 180
 ctgcactta ccaggatcca cctcgtcag gagctctggc agggctgcta gttcttctac 240
 cgcacatct caccgggagca ctacaccgag cgcgcgcgtca ccaatgtcac tctcaccatc 300
 gtcg 304

<210> 25458
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-C10

 <400> 25458

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 cgaaccttct acggcgggcg tgacgggtcc ggcaccacgg cgggcgcgtg cgggtacaag 120
 gacacgcgca cgcaggggta cggcgtgcag acggtggccg tgagcactgt gctgttcggt 180
 gacggcgcgg cctgcggagg gtgctacgag gtgcgggtgc tggacagccc tagcgggtgc 240
 aagcccagc cggcagcgt ggtggtgacg gtgaccgacc tgtgcccgcc caaggaccag 300
 tgggtgaagc caccgcggga gcaattcgac ctacgcatgc ccgcgttcct gcagatcgcg 360
 caagagaagg ccggcatcgt gcccatcttc taccgcaggg tggcgtgcgc gaagcanggc 420
 ggcatccggt acaccatcac cgggaac 447

<210> 25459
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-A4

<400> 25459

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ttcggacaag cccctgcgtc ttgcccctcc aggaatgtgt acaagattgg tggatttga 120
actgtaccgg ttggtcgtgt ggagactggg gtcacaaagc ctggtatggg tgtcaccttt 180
ggccaactg gctgactac cgagggtgaag tctgttgaga tgcaccacga ggcgcttcag 240
gaggctcttc cgggtgacaa tgttggtctc aacgtgaaga acgttgctgt caaggatctc 300
aagcgtgggt ttgtggcctc caactccaag gatgaccctg ccaaggaggc tgccagcttc 360
acctcccagg tcatcatcat gaaccaccct gngcagattg gcaacggcta tgccccagtg 420
ctggactgcc acaccttcca cattgctgtc aagtttg 457

<210> 25460

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A5

<400> 25460

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agaatttctg aaagctgata gctgtcaaac tcgagatgct ggctcaactg cctcaacagc 120
tattattgta ggtgaccgtt tgcttggttc aaatgttgga gattctagag ccgttatttc 180
taaaggagga caagcgattg cggtttcaag ggatcacaaa cctgatcaga cagatgagag 240
acaaagaatt gaggacgcag ggggctttgt tatgtgggct gggacatggc gagtgggtgg 300
tggtcttgct gtctctcgcg catttggtga taaactcttg aagcagtatg ttgtcgctga 360
ccctgaaatc aaggaggaag tggtcgacag ctcccttgaa ttctcatcc ttgctagtga 420
tggactctgg gatgttgtca ctaatgagga agctg 455

<210> 25461

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A7

<400> 25461

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acgaccgcag agggccgcct cccccgtct acggcggtta cggccagcca ccgccacccg 120
acccgtacgg tcgcgcgccc gtgcacccc atccgtacgg tcgacctcgc cccagtcgcg 180
cgtacgggtg ggccggggac gcctacggcc acagcggcca aggctacgcg cccccgccg 240
cctacggcgc cgggggcggg tacggcaacg tcgtccacgt cgcgcacgag gtcggcgacg 300
agaggcctta ctacggcggc ggcggcgggc gtcttggtgg cgcctacgga ggcggtggct 360
ccgagtacgg tcacgagggc cgaccgcacc acggcgggcg cggatcccag tacggccacg 420
agacacgccc gcaccacggc ggcggtggcg gcg 453

<210> 25462
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-A8
<400> 25462

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gggggaacgt cgagaacctg tccatcaacg gccactgcac catctacggg cacggagccc 120
tggtgtggag caagaaccag tgccagcatt cttacaattg caagatcctc ccgaatagct 180
tggtgctgga ttttgtgacg aacgtccaga tccgcggcat cgcgtgctc aacagctagt 240
tcttgacact caacatcttc gagtgcaaga acgtgctgat cgacaaagtg acggtcaagg 300
ccccggcga cagccgcaac acggacggca tccacatcgg cgactccatc aacgtgacca 360
tcagcagcac caccatcggc gtccggcacc actgcactct catcggcccc ggtagcaaga 420
tgatccgcat ccatggcgtc aagtg 445

<210> 25463
<211> 195
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-A9
<400> 25463

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aggagctcgc ctgcatctga accaattgac taacatgcat atattatata ctaggtatat 120
 gcccgctgcat tgcaacggaa aacacttggt tatacacagg tcatttttta gtaatgctat 180
 caagaatcaa ctcat 195

<210> 25464
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-B1
 <400> 25464

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 ggacacagta tgtcctcaat cagcactgct gcacaaccta atgatcagca tgcttctgga 120
 agtagcagct ccccaaataa atttgtaaata caagcaggaa ataatatatt atgacagaga 180
 gtctctcagc tataggccaa ctctgaaat tggtcacaca catggccaga tgtaaaactat 240
 ttgttcttat gggtcccgaa ttccaaccct ataggggtctt ctactatggc accagactag 300
 acagcagtgg attggaaaac gaagacataa ttctcagggt caacaaagtc aaagaccaa 360
 aataagttgt aatgctacat acgagagcct gctcgggagc tcgaaaccat ttgcacaacc 420
 gatccc 426

<210> 25465
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-B10
 <400> 25465

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 tgttcatctg aaaagttgag atcgacagtt tctgagcaca gggcgcgatg gacgttccgg 120
 ccgttgcgga ccctggaacg gagcgaggcg aaggcgctct gatccagtgc ccgtactgcg 180
 actcgagggc gatgcacaag ctggcgcata tctctctccc tggcctcgcc gccgtctgcg 240
 tggacggcac cactgcggac ccgttccgaa gtccgttcgc agcgggcgtg gacctgcgca 300
 aggagatggt ggactacatg acgcagcgtg acgacagctg tatecgggac gctctgatcg 360

agtcggatgc gaaccaggac gcgcccggag cctatgtgcc agacgacccc ttogag 416

<210> 25466

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B11

<400> 25466

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atggctcggt ccgtctccct cgctcgtggcg ccccttctcc tctctccct cctcgtctcc 120
gccgcggcca gtgcgcggac cgtggggcgac accgtgtagg acgcgtgcag caagaccag 180
ttccccaaga tctgcgtgga cagcctcgcc gccaaagccg agagccagaa ggcgacgccg 240
cgcaagctgg cggagctgtt cgtgaacatc gcggccgaga agggatccgg gatggccacc 300
ttcgtgcacc gcaagtacag cgacaaggag gacagcgaca tattcaagtg ctacgacagc 360
tgctccgacg acgtggagga ggccgtcgcc cacctcaacg gcctcgtccg ggagcccacc 420
gacgccaagt tcctcgagct caagt 445

<210> 25467

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B12

<400> 25467

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ctgccgctcc tgccggcgtt cgacgtgctc ggggtgagga acaagatcag ggacgttgct 180
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gagccggacg tgtacacgga caccatgac atggcactgt gcgggaactt gtttacagcc 360
ggtacggaga cgacgtcgac cacgatagaa tgggccatgt cgatgctgct gaaccacccg 420
gaggccctga ag 432

<210> 25468
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B2

<400> 25468

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 aacaatcagc tcttgtatct tattgaaaag gagttaatct ggatatttgg tcacgttcct 180
 gggttttctg ccacccttcc gtctgtgatt gccagactcc atgctgcca cgacaagtat 240
 ctatcaccac cagccccagt ctccacgtca tcacaaatgg gggagaaaca gtggaatttc 300
 tcttttacat ctgtctggaa ctctatagtg tggcttgtgc ttttgaactt cttcattaag 360
 atagtcacgt caacagcaca ggattatctc aaaaagcagc aggatacggg gatggaactt 420
 atttcggatt ccccgatcca tgaccattct aaaa 454

<210> 25469
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B5

<400> 25469

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 ggtcccaaca agttgtgtac tgtcaacggc gccttcatgg tcaccgactt ggatgtcacc 120
 ttcaagaaca tcaccggcac ctgcttcaac ccggaggccg atagcctgct ctgcactgac 180
 aaggttccat gcaccgtcgt taccatggat gacgtcaacg tcaagtatag cggcaccaac 240
 atcaagacca tggctatatg cacgaacgcc aagggcagca ccaagggctg cctcaaggag 300
 cttgcatgct tctagacct tcacgactg acccatctct ctagttataa tgtatatctc 360
 gtacttgcat tgccattcg atgctatcca ttggtaactc acaacagtta aacgacagac 420
 atccgacagc tatattatgt tcgacgatgt cacac 455

<210> 25470
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-B8

 <400> 25470

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 gcaaattcta tctggtctag ctgttaccat gtgtgatttg gtaactttta ccacgatgat 180
 tgctggagtt tctggggaca gactattgga ttaagcggca cgacctgac tattgagctt 240
 agcccatacc tgcagcactt agtggttaaat ttcttttgag aatggtagtc tttcaagcat 300
 gacaatggct gctgttaagt ttgggagtg cgcacatcttt tgggccaaag atggggtaga 360
 ggatgattga tctgtcggaa gtctgatggc gatgaattaa tacgaggtct tcaatgctga 420
 cagaaagggt taatgaaaca aact 444

<210> 25471
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-B9

 <400> 25471

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 gggctgcgga tcgtcgacga gatcctgcc tacctcggcg ccaccaacct gtgggactac 120
 ctgccgttcc tgcggcggtt cgacgtgctc tgtgtgagga acaagatcat ggacgttgct 180
 cgcaggaggg actccttcct gcagcggctc atcgacgctg agcggcggat gctggacggc 240
 gacggcgacg gcgaccagaa gaagagcatg atcgccgtga tgctctcgct gcagaagtcg 300
 gagccggacg tgtacctga caccatgac atggcactgt gcgggaactt gtttacagcc 360
 ggaacggaga cgacgtcgtc caccatagaa tgggccatgt cgctgctgct gaacca 416

<210> 25472
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C1

<400> 25472

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agcaggcggc ggctgagagg atggcagggg cggcggccac agggaaaatg gcggctaggg 120
ttaggatgtt gggcctaata gcgtcattaa acttgtggac ataccogttt catcattgtt 180
gtccttaaac aactccaaaa gtgctgctgc cttttcctcc ccttcctcgc gtcgagtggc 240
tccacgcttc cacttggttc cgaagcactt tctgcaatct cctcccattt ctgggtgtgct 300
tcagctatgc agttcagcag cgtgcttacc ctagacggaa aagcgtgtat gagcccagtg 360
aagaaaagca gtggaggtta tgggaatgag aggatgagga tcaac 405

<210> 25473

<211> 183

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-A3

<400> 25473

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gtggatatta ggaaaggatc tgtatggcaa catcgtcctc tccggtggta ccaactatgtt 120
ccctggcatt gctgacaaga tgagcaagga aatcaccgcc ctgggtccta gcaacatgaa 180
aat 183

<210> 25474

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H1

<400> 25474

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cgtctgattc gcgtgctgcc agccctccgc cgatcgtgaa acacaaccgt cgggtggtttg 120
cttgcttgat cgctgacctt cgcgagcgt caccgtcatg gcgcctcagc ctgtgcgcgc 180

tccgaggctg agcgcccccg ctggccacgc ggcgtgcagg tgctcggccg cgccgctatt 240
 cgggaagcgg gcgccccccg tcgtcgcgtt ccccgcgcc cgtagcggcg gcgccgtcgc 300
 ctctgtctcg gccgtgcagg agtcgtccac cttcaccact gttagcaaga agaaggatgc 360
 cgcggaagggt gcccaaggagg ccacagcgga tgcggcgaag ccggccgc 408

<210> 25475
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H10

<400> 25475

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 ccgtgcttct gcttcctccg ccaccaccgc cggcatggct gcgcgctgcc cctacttcgc 120
 cgtcgaggag tctctccgcg gcatccgctc gggggagtcc ccggccgcgg cgctccgccg 180
 gatcctcgcg acgcctgggt cgcaccaggc gccctgctgc tacgacgcgc tcggcgcgcg 240
 cctcgtcgag cgcgcggggg ttccgatcgg gtcatgggc ggtttctgtg tttctgccgc 300
 gcgacttggc ttgcctgatg ttggcctcat ttctatgga gaaatggtag atcaagggcg 360
 tctcatcaat gaagctgggt caatcccagt gattgggtgat ggagacaatg gttacggaaa 420
 ttcta 425

<210> 25476
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H11

<400> 25476

caatgccaa cctaagccac tagccgccta ccttttcacc aagaatagga agctgcaaga 60
 ggagtttgtg gcgagcgtcc ctgcaggagg gatgcttgta aacgacactg cgctacatct 120
 caccaaccgc tacatgccct tcggcggcgt cggcgacagc gggatgggct gttaccacgg 180
 caagttcggc ttcgactgct tcagccacaa gaaggagtc ctgatccgcg gctttggcgg 240
 cgaggcgaac gccaggtacc cgccctacac gacggagaag caaaagatcc tgaggggcct 300

catcaacggc agcttcatcg ccctcctcct tgccctcctg ggcttcccc gggagaagcg 360
ttagatgctc cggcctcttt ttggtttcgg tacagccttt gtagtccctg ttcgtcg 417

<210> 25477
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H12

<400> 25477

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cagctgagct cgctcccagt ccaagcgccg gcgccaccac cgcagctgct cgctggtcac 120
catgagcaag gagaagcacc accgcgactg gatcctccgg cgctgctgtg gctccctcgc 180
cgctgcatc ctgacgctgg ccgccgtcgt cggttcatc gtgctcgtca tcttcttggc 240
gctgcgcccc tccaagccgt ctttctacct gcaggacgtg cagctgcgct ccatcgacct 300
cagcgacccg gcgctctccc tcgacctcca ggtgacgac gtgtcgcgga acccgaacga 360
gcgggtgggc gtgtactaca agacgctgga cgcgttcacc acgtaccgcg acgaggcggt 420
ga 422

<210> 25478
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H2

<400> 25478

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gcttgaatg gagtctccg accatgcgt catcggccta atagacgccg cagactccct 120
cgccgtcgag ctctcagatg gcggcgggat ggcagtgcct gagtactgat acgctgaaga 180
gagccacaac gagccgtaga actgggagaa gctgaacccc gactacaagc tgtgcaactga 240
agggagcaa cagtccatga tcgacatcgt taccaaaca gccgttcacg ccgtcagcct 300
ccacaccctc aatcgtaact acagcgccac catacgacac gtcacatcaac gatggccacg 360
acatcac 367

<210> 25479
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H3

<400> 25479

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 ctattaccag gacgtgggag gagatcctga gggttaactg atagaggcctt taagcatgct 120
 ggttgaaaag caccacaatt gtggtttgaa taaactgctt gaaacgcacg gagatgaaca 180
 tatgcacgaa tctggatgca tggaagatga aggcgatgca aacgagcagc ctgacacgct 240
 atcattagaa caggctattc taatgataac tagcataaca cgagggaatg ttttgagcaa 300
 cccaaatgtg ctttctgacg atatagatcg ctgcatgaga cacattttcg tacac 355

<210> 25480
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H4

<400> 25480

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 gcggcactgg gaagcagaca atcctcatac ccaaggggtga ctctcttgct ggacaactca 120
 acttcacagg cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga 180
 ccacggacct aagccagtac aaggaccatg gtaattggat cgagattcta cgtgtggata 240
 acctggtcat caccggcaag ggaaaccttg acgggcaggg cccagccgtg tggagcaaga 300
 actcctgcac caagaagtac gactgcaaga tccttcccaa ctgctggtg atggacttcg 360
 tgaacaacgg ggaggtgtcc ggggtcacgc tgctcaactc caagttcttc cacatgaaca 420
 tgtaccggtg caaggacat 439

<210> 25481
 <211> 406
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-H5

<400> 25481

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agcagcagcc ggcgtgtgac gctgggtactg ctcgggtctcc gctgtgtgct tctgggttgg 120
gttgcgccagg cggtagtggg gttgggtgcct gctgatgata atatcgccgc cgccgtgtgt 180
ggcacggcgg tggacgatgg cgagccgnet cagcagtgcg cgacccccggg gagcggttgag 240
gaggcggtgcc gcggcgcggt cgagacgcac gccggcggtg gctacgacca ctgcatggcg 300
tcgttggccg ccgacccgcg cagcaaggag gccggcaaca ggaccatgca cggcctggcg 360
gtgctggcca ccagaatggc catcgaccac gccgccagca ccgagt 406

<210> 25482
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-H6

<400> 25482

ctcatcgttc tcccaaattc gagagcgttc ccaggacctt gggttcttga gatccagccc 60
caggatggat ccgaacccta gagctcccct cctcctcgcc atcgctcgttc tcgcgcttgg 120
cgtatccgtg gtggccagcg ccgaggacga cgcgtcgggg gtctctctgg gccgccgcgc 180
cgggggggttc ttgcacggcc tgaagaagga tgcactggcg gagggcgatc atggggtggc 240
actagacgag gttggaccgg ggctgttcga cgcactcttt gccagcctct ccatgatact 300
agtcagtgag attggagatg agaccttcatt cattgctgcg ctgatggcga tgcggcacc 360
caagtcaatt gtgttgtctg gtgcactatc tgcgctntat gtgatgacag tattgtcaac 420
t 421

<210> 25483
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H8

<400> 25483

gcataagctc tctataaata ctgatgagct atctgctgtt tcatgagcgt ctgacatagc 60

catatgttta ctggactggc catgatatta cctgggctag gctttgaccg tcccattctt 120

gttggaccgc ctggatgggc aagaatgggc acccaggttt gcagctctga tgcttaccga 180

tcgctggact tcgtgcttga catggcaggc cgtgacgaag caaatctgtg gtcaggggac 240

gactctagct aagtggacga ataccctctg catgatcagc aggcccagtt cctcgtgtac 300

gagagctcat gtttactaca taggcccgtc gacag 335

<210> 25484

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H9

<400> 25484

aaaaaaaa aataaaaaaa aaaaaaaatt aaaataaaaa aaaaaaaaaa aaaaaaggag 60

gaaaaattta taaaaaaaaa tacattcata taatcatact tttcacctac ttctttacta 120

cttcttacca actctttctt tttctttggc gtcactctaa tccatttttt tgtctgttac 180

ttttcaactt cteccatttt actacccttg cctttatccc actttactga ttttctgctt 240

ttgccttttt gccaacctct cgtactcttt attcactoct gacaagccta ccttcctaac 300

agtcctcttc ctttaatgct taatttgcct catccttttc cttctctttt atccctgcat 360

ttattttatt tactcccacc tttacttttt ctcttttcat ttcttttact cccttttt 418

<210> 25485

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A1

<400> 25485

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gataagatca atgcataaat gggagaaggt cagtttggat ggccatgtct tctgaaataa 120

ttgattaaac tcgcgtttgg catgctgtgc aacacatgca gcaggttatg tttgtaacga 180

atgtgtctgg aatacattag gtacctttgg tcaggtgttg gagggttggg acaaggaaag 240
gaaagaaatg gtggctatca aaatcattag gggcattaaa aagtacaggg atgctgcaat 300
gatcgaaatt ggcattgctg agcagcttgg taaatatgat gaaagtagat ctaggtgagt 360
ttgctggggtc ggtaaacacc cttctgtatg ctttacattc ataagattgc ttgcatata 419

<210> 25486
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A10

<400> 25486

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tggtaagac caactattca gcattctcga tgtttcacca agttgtgcat atattggtac 120
aaatacaaag gtttcagtta ctggatgctt cttggatgaat aaagaacatg tggaaagtca 180
caggtgggtca tgtatgtttg gggatgttga agtaccagct gaggttttga ccgatggcac 240
cctacgctgc tatgcaccag ctcaccaatc aggaagagtt ccattttatg taacctgttc 300
aaacaggggtg gcttgtagtg aagtgcgaga atttgagtat cgcgattctg aagctcatta 360
catggagact tctcgttccc aagccaatgg tgtaaataaa atgcatctac acattcagct 420
tgagaagcta ctcactttg 439

<210> 25487
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A11

<400> 25487

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gccacgcgtc cgggaggagg tgggtgggtt ggatatgggg ggtcgtcagg atacggtggt 120
gcttatgggtg gcggcggcag cagcggctat ggtgggtgtc agagtacgag ttcttgggac 180
tgaactgaat tctgggttaga agtgaaaaat ggggtcaacct gttgggtgtg aaaaatgggt 240
caaccgttat cgattagtcc ctggtggatg gagcgaatgc ctgaaatttg ttgcttgact 300

tgcgagtacg gtgtcaggag gtttcccagt gccttaatat tgcattttgt gttgtactag 360
ggattgctta tgttattatc tgaattgggtg gtttcttttc tacgc 405

<210> 25488
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A12

<400> 25488

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gctgggggtat gtcgtgattc tatcgttagt tttctgctaa atcaacttaa tgattgatct 120
taattatgta tggttgaggt gagagatcga ccatattagt tctctgtacg tagtgaccga 180
tctcgtatga ggacactata tgccagtttt actgtgatta ttgatatgat cctcatgtaa 240
tcgatcgaca tttagctcga tctgggaagg cgagaattat ggaggacgtg caatcgatca 300
cagttcgcgt ccaatgatag cgtgctagat tccggcattt cacagtgata ctcatacatc 360
ttgcgatcga tctccagata atgcaccttg atctc 395

<210> 25489
<211> 218
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A2

<400> 25489

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acaggtaaaa tcaataaaat aaataacaaa aagaaaaatt taaatattca tatattataa 120
actaatacat taaactctct attttacata ctgtactaca catacatgta cttatatattt 180
taactaatct ccctgtacta cattacttac ctcttgtc 218

<210> 25490
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-G9

<400> 25490

acccacgcgt ccgctttctt cgaacgcaaa aagaacccca cccgacgtac cgcgagccgg 60
 cgatggcgac ggtggcgatg gacatctcga agcccacgcc ggcagcgtcc ggtgacgaag 120
 tagcggcggc ggcgaagggg aggagcggcg gcgggggcga ggggctgcgg cagtactacc 180
 tgcagcacat ccatgacctg cagctccaga tccggcagaa gaccataac ctcaaccgcc 240
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 tgcttcaaga gcctggctca tatgttggtg aggtggtgaa ggtcatggng aaatcaaagg 360
 ttctggtgaa ggtacatccc gaaggcaaac atgtggtgga tatagataag agcattgata 420
 t 421

<210> 25491
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F4

<400> 25491

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 taataatact tccaatgctg ctgctgctgc tgctgcttcc agtagtgcaa ctgcttctcg 120
 gacaatcaca gtggacgatt ctttgccatc aacctccctc caaatcaggt tcgcagacgg 180
 cagtcgcttg gttgcccggt tcaacacaag ccacaggatt agtgacgtgc gggcatttat 240
 cgacgcgaca aggccaggag ccagtgatta cacgctgcag gccggggtcc ccccaaagcc 300
 gcttgaagac acggccaaga ccatcgagga agccggcggt gccaaactcg taatcattca 360
 gtcagtctag cttggcagaa caggtgccgc aacctattc catcgaacac gctaggcatc 420

<210> 25492
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F5

<400> 25492

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atcgtcacca ctcttccccg gctgaggctg tgggctgtc cactgcgtgg ctcgtaagg 120
ggctttcatg cgtctgcgcg cagaggagg agagcgacgt gcgcctgtcc ttcgatttga 180
gtcccattca ggaagagtgc ttgaataggt tgcagaaccg gatagagggtg cagtatgatg 240
gttcaaattc ggagcatcag aaagcactgg aagccctttg gcgttcttct tttcctggaa 300
ctgaacttct agggctagta tcagaccagt ggaaagagaa tggatggcaa cgtaaagatc 360
catctacaga tttcaggggc ggcggttcta tatctttgga g 401

<210> 25493
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F6

<400> 25493

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agttttctac cctaaacaca agaaccaga tgcataataa aaggtgaaag ctagcagaag 120
aggtacctaa ctctacccta ctatagagaa aaagtcagca cattgcaagc aataataatg 180
gagacgacga cgaagctccg gtggagccgg cccggctcct tcctcctcgt cgccgcggcg 240
ttcctggcgt ccgcgcgcgc atcggtgtc aacgtcagcc agttcgacga ccacttgacg 300
aagcggacag agctcgccga ggcgtcggcg agggaggcgt acaggcccga cccgtacaac 360
gtcaccaaca gtttcaacgc cggcgtccac agagctgtca acagcagtcg gcgtgagatg 420

<210> 25494
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F7

<400> 25494

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caattcgaga taccggtgcg tttcaataag caggttcaac agtatctttc gttaaaaaaa 120
acagctctgc ttttcgggcg gctgctatgt cgcactgcac agtgtggcgt agcgcagcga 180
tggcaagcta atgcctaaga aaaaaacata cgtgcatata gaaaccactg atattagtgt 240

agacgctgac aacctacgga gaaatttgta atggcagttc agggatgtaa atcttttttac 300
gaggcaacag gtcacagttc ttattgtctg gtagtgatag cagtgtgcgc atttcaatat 360
attctctgat ggaattgtct tgggggttg 388

<210> 25495
<211> 60
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F8

<400> 25495

aaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaggagaagg 60

<210> 25496
<211> 386
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-F9

<400> 25496

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accacggcca tcgccgcgac gacgacgaag acgaccgcag aggcccgctt tccccgttct 120
acggcggtta cggccagnca ccgccacccg acccggtccg cgccccgccc gtcaacccccg 180
atccgtacgg tcgacctcgc cccagtcgcg cgtacgggtg ggccggggac gcctacggcc 240
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tcgtccacgt cgggcacaag gtcggcaaca agaggcctta ctacggcggc ggcggcgggc 360
gtcttggtgg cgcctacgga gcgcgg 386

<210> 25497
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G1

<400> 25497

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 cccatggcag ggccttaaag ctggcactaa gaaacaaaag tatgataaaa ttagtgaaaa 180
 gaaaatgctt acctcggcag agattctgtg caaatcttac ccgccggagt tcgtctcata 240
 tttccactat tgctgctccc tgcgatttga agacaggcca gattactctt caatgaagaa 300
 gctctttcgt gatgtattta tacgggaagg ataccaattt gattacgtat ttgactggac 360
 tgcactcaag taccctcaaa tgggctcaa caacaagctt gttcaacaac caagtgc 417

<210> 25498
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G10

<400> 25498

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 cccctgaacc ctcagccttc tccgtcccgc ctcggcactc gacggccgcc ggcacacacc 120
 gcgcagtctc gagacaggaa ccggaggaac gaggatggag gatgactcgc cgctgacgaa 180
 gacgatgaag ggtgcggtga caggactcgc cgcggggacc atctggggca ccgtcgtcgc 240
 cacctggtac gacgtgcccc gtgtggagcg ccacgtcgcg ctccctggcc ttatccggac 300
 gctcaagatg tgcggcacct acggggccac cttcgccacc atcgggggcc tctacatcgg 360
 cgtcgagcag ctcgtgcaga gccagcgcaa gaagcgcgac ttcgtcaacg gggccgtcgg 420
 cg 422

<210> 25499
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G11

<400> 25499

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 gcggcggggcg gggacggcgt cgctcgccag gcggagctcc gccggatcga gggcaacatc 120

tgcttcaaga aggcgcgcct cggcgccgcc atcgactgct acaccgaggc aattgcgctc 180
 tgccccgacg tcgccgtcta ctggatcaat cgggccctat gccatttcaa gcgcaaggag 240
 tgggccaagg tcgaagagga cagcaggagg gctcttgccg ttgattacac tttagtcaag 300
 gggcactatc tgctgggggtg tgcgctactc gagaaggaag aatctgctct tgctatcaag 360
 gaattcgaaa aggctctaac tctcttaaag tctgtggatt caacgtatga aatggctg 418

<210> 25500
 <211> 410
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G12

<400> 25500

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 gatgcttccc cggggcggcag cggacgagga gacgagagag ggagagatgg ggccggacct 120
 cctgggaactt ggcttgctgc cgccgccgat ggccggcggc ggccacggag gtggttcagc 180
 ggcgcacag aagacgggat tcgacgagcc cctacgtttc gccgctgacg cccctttgcc 240
 ggtgcgcgct tgcgtgcgcc cgcggccccc gcccggtggac gtggacgacg gcgtcgtccc 300
 tgcagcacct ccggcgagca tngccgaagc cgccgcgtcg tcgacggcac ggtgggcgcc 360
 agctgagctg gcgtcgtccc cgacgaagct cggttctttc agggagatct 410

<210> 25501
 <211> 423
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G2

<400> 25501

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 gtgaaggacg tgctcgggtgcc caccagcacc atcaagttcc ccgacggcac gtcacggctg 180
 gtggcgcccg cgctggtgta cgccagcgcc gcgaagatgg cggacgccga cgtggcgagc 240

cccaacttca acctgacgtg gaaggtggac gtggacgctg ncttcagcta cctgggtccgc 300
ctcttcttcg ccgacatcgt gagcaaggcc accaacgacc tctacttcga cgtgtacctc 360
agcgggcgca aggccgtgtc cgggctggac ctgtcgacgg tggccggcgg cgagctggcg 420
gcg 423

<210> 25502
<211> 189
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G3

<400> 25502

cggacgctg ggaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaagagaa 60
agcaaaaaaa aaaaaaagg acatacaaat ctaaaggaat ccaaaacttg ggtaccggtt 120
cttgcgattc catacttatt ttatcgtgct tcctacatca aatttattgt ctgggggtttc 180
ccaacttca 189

<210> 25503
<211> 422
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-G4

<400> 25503

gggcacggag atggagagag cggccccgt gaggagctcc cacacctga cggctggcct 60
gctcgcgtgg cctcaccccg atggcgccgg gtcgctgcca gcacgccggc ctaaccagcc 120
gacggaggaa ttcaggaatg tgggtgtttgg ggggcagctc acggaggggg cgcacggcct 180
caacaagacg aagaggaaga cgggctcctc gcccaagggg aaggagacaa cagggaccgg 240
gatatccaag gccgagagcg ccgtcgtcgn cgtcgcaact gcctcccgtg atcgtcaggc 300
tagccagatc accttttccc aggacgggac cgttcctacc aggaaggcaa cttcagtggc 360
tgggggtggca aggcagcgtg agcttagcca taccgtcgag agtgaggggg acagtaagat 420
ga 422

<210> 25504
 <211> 379
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G5

 <400> 25504

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 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt aaaaaaaaaa aattaaaaaa atattaaatt ttaatttaaa 180
 aaaaaaaaat ttttaaatat aaaaattttt aaaaaaaaaa aatttaaaaa ttaaataaaa 240
 aaaacttttt tttaaaatga aataaaaacg ggaaaaaaa caccagga aaaaatcccc 300
 aaaaaaaaaa agtataagga aaaaaaat ttttaaaaaa cttttaaaaa acctctaaaa 360
 aaaatttttt tatatgggg 379

<210> 25505
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G6

 <400> 25505

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 ctcgacaccg tgcgcaagga cggcaactcg ctcaaccggc gcaaggccgt ggaggccagc 120
 ctggcggcgc tcaagagcgc cggggtggag ggcacatgg tggacgtctg gtggggcatc 180
 gccgaggccg acgggcccgg gcagtacaac ttcaacgggt acatggagct catggagatg 240
 gccagaaga ccggggtcaa ggtccaggcc gtcattgct tccaccagt cggcggcaac 300
 gtcggtgatt cagtcacat accacttccg ggatgggtct tggaggagat ggacaaggac 360
 caggacctgg cctacac 377

<210> 25506
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G7

<400> 25506

cccacgcgtc cgccgccctt tttttttttt tttttttttt tttttttttt tggtttgaag 60
tagtagagat atatatatat attctgcaag aaacaagatg cttagctgga acgcaataga 120
atatggaaaa gtgaaacgga agaagaatgc atgcaaatgc aaggtcatcg atcagacgag 180
gcaatccagg gcctggaggc tccccaggag gttgatgggt aacttgccag atgcacccaa 240
cagaaagaag attcttagcg tgatactagc aaaagaagat ttggcagatg atgtagatct 300
ggaggcgcta gcaaacctga cagatgggta ttcaggcagt gatctgaaga acctgtgtat 360
aactgcagca catcgtecca taagggaat tcttgaaaga gagaagaagg agag 414

<210> 25507

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F3

<400> 25507

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atgactgtga attggtgatg tcagattaat atacaggta gttgcttggt tctaggtaac 120
cagaggtgtg gtttacaaca ccaaaatgct agaggagccg atacaaacat tttagtttaa 180
tttctacatc tattaggcct tttgtttttt gaatgagatg tgcagtgttg attgcggcac 240
atacttagaa gtgttccaac ataagctgga attctgtcat acggaaggat aaacttgat 300
accaagggaa tgctgtatta ttatctttgc ccatttatgg ctacattagc ttgcttggtt 360
ctattctctt taaccatttc atctgtatac tagacagttg cttgacttac tattcaaa 418

<210> 25508

<211> 227

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D9

<400> 25508

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cagctgggat taatcccacc tcaattgcat gtttcaacca tctccgaac aaccaccgca 120

tgaatctgtc tttcccacaa cacttcctgt ccacacagat ctccaagagc agcttggaga 180
ccgacaattt cgctagcaat cccatactat acaagcccg t ccgaaca 227

<210> 25509
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E1

<400> 25509

cgcgcatggg gctcgccggg gacgggtcgg cggacaccgc ccacctcagt aataatgaaa 60
atgggcggtt cgtttatgga gttgcgagtt ctcttggtaa aagagcatcg atggaggact 120
tctatgaggc aagaatagac gacgttgatg gagagaaaat tggaatgttc ggtgtatatg 180
atggtcatgg aggagtccga gcagctgagt atgttaagca gcaccttttc agcaatttaa 240
tcaaacaccc aaagttcatc actgatacca aggctgctat cgccgaaact tacaacctca 300
cagattcaga atttctgaaa gctgatagct gtcaaactcg agatgctggc tcaactgcct 360
caacagctat tattgtaggt gaccgtttgc ttgttgcaaa tggtggagat tctagagccg 420
ttattttct 428

<210> 25510
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E10

<400> 25510

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cggtcaccgg ccggggaggg ctccagaaacc tttcatccaa tacatacatc tatctgagcc 120
ctttcccgcg gtgaggcccg accggagtcc acacacacac acacacgggtg tcgatggcgg 180
ccgtaataag gagccgcgcg gtgtccgttg tctttctacgt cgtcctcgcc gcagctgcag 240
ccgcggcgca ggcattcaat aacgtcacct gcgacgagga ttactgggcg gagcgcgcgcg 300
aggtggctcg gtcgcgcaac ctgcgccgact acgtcagcga ccccgaggcc gccacgaacc 360
gtttcaacgc ggacgtgctg agggccacga cgcggcgggc gctggcgagg tacgatggcc 420

c

421

<210> 25511
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E11

<400> 25511

cggcgcgtgg gcggacgcgt gggggaggcc gccgcgcca tgctcacctt cgaggcgggc 60
aagacgtacc gcctccgcgt gtgcaacacc gggatcaagg cgtcgctcaa cttccgcatc 120
cagggccacg acatgaagct cgtggagctg gagggctcac ataccctgc aggacgtgta 180
cgactcgtg gacgtgcacg tcggccactg cttttccgtg ctggtcgacg ccgaccaggc 240
gcccggcgac tactacatgg tggcctccac gcggttcac cagcagcca agtccgcctc 300
cgccgtaatc cgttacgccg gttccagcgg cgccccgccg gggcccaaca tgaccgagcc 360
accggccggt tgggcctggt ccatcaacca ggccaggctg ttccgttgga acctgacggc 420

c

421

<210> 25512
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E2

<400> 25512

ggagttcaga accatcagag catgcctctt ctttggcatg ggtgcatctg gcgtgagacc 60
tgttcttcac aagctagtag tcttctggca ccaaccggag gcattgcaca cgaccggata 120
cgaaattctg atggggctct tctacgggct gggagcattg gtatatgcgg cacgggtacc 180
tgagcgctgg atgcctggga agtttgacat cgccggggcac agccaccagc tgttccacgt 240
cttggttggt gccggagcct acacacacta ccacgcaagg cttgtgtacc tcaagtggag 300
agacctgcaa ggctgctgaa aggtactgca tcgttgagga tgtggataga ttgtagattc 360
cgtgaattca ggctgaaggt catggtctgt tgtaaattgt aacagtaatc atgaaacaat 420

tg

422

<210> 25513
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E3

<400> 25513

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ggcgacgggc ctaagcaaag ccgctgacc ggccgaaga gcttcgccga cgcatcacc 120
accatgaaga ccgccacctt ctccgtcgag gcgtccgggt tcattctgcaa gaacatgggg 180
ttccacaaca cggccggcgc ggagcggcac caggcgggtg cgctccgggt gcagggggac 240
ctcgcgcgct tctacaactg ccggttcgac gcgttcagg acacgctgta cgtgcacgcg 300
cggcggcagt tcttcgcaa ctgctgggtc tccggcacca tcgacttcat cttcggcaac 360
tcggcggcgg tgttcagaa ctgcctcatc atcacgcggc ggcccatgga caaccagcag 420
a 421

<210> 25514
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E4

<400> 25514

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cgcacattcc gaagtggagg cattaatgta gatcatatcg ctttcgatcc aaaggagacc 120
aaccgctttg ttgctaccga ttgcttggtt ggcaaagtga tgatttgag cctcgactct 180
cccgaacctg aatatcatct gcctaagacg gattttaagg gtatcatgtt cctggaattc 240
ttcacacggt atggctggca gtgtttgatt attgctcatg aagatcataa agcacacgta 300
tgggactttc gggtgcgcaa atttgtttct gagaagcgaa aattattatc tcgtgaagct 360
tctgtcttct tacgtcctaa tgtatcgta ctacttacac cttcatctaa aggcact 417

<210> 25515
<211> 413

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E5

 <400> 25515

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 tctggatcgg aggatccatc ctggcatccc tcagcacctt ccagcagatg tggatcgcca 120
 aggccgagta cgacgagtcc ggcccatcca tcgtccacag gaaatgcttc taattctttg 180
 ggcccagaaa atgcaagccg tgggggagcc gttaccgcgc ccagcctctc ctgcccccg 240
 tttcgttgcc gtttcttcat tagcgcgaaac aaagttttgt gccggtctat cggccgccc 300
 tttcctcccc tattcatcaa gactgcaata actgtcgcta cctatgcttc tcacctgtga 360
 tttttggaca caatatgtta aggtccattc aattctaata agacgcctga tga 413

<210> 25516
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E7

 <400> 25516

 caccacaaga tggcgtgcac aaacaatgcg atgagagcct tgttcctcct ggtccgcttc 60
 tgcacgtgac atggtgagaa ggaagagtca aagggcatcg atgcgaaagc gtccaggcct 120
 ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac agacagcacg 180
 aaggctgtgc aggaggcatg ggcatcggcg tgcggcggca ctgggaagca gacaatcctc 240
 ataccaagg gtgacttcct tgtcggacaa ctcaacttca caggcccttg caagggcgac 300
 gtgaccatcc aggtggatgg caatctgctg gcgaccacgg acctaagcca gtacaaggac 360
 catggtaatt ggatcgagat tctacgtgtg gataacctgg tcatcaccgg caaggg 416

<210> 25517
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E8

 <400> 25517

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 ccgcgcctc cgctccctc tccaccacct cctcctccct ccgcggcctg gcagtatccc 120
 atggcggttg gaccacccga ccgtcgtgc agcctccggt gcgaaccgcg gcgcgggtcg 180
 aactcaccag gtggccgccc cgagggggtt actcccagtt cgcgagcggg ttcaccccg 240
 tgaagccgaa gccgctggga tccatcctcg acatcgaacg cgccaagggc ctctcccccg 300
 accacctcgt cgccgcatgg gatgactatc atttaggaag gggtcataata ggtgcatcta 360
 tgaaagcaaa actttaccat ctcttggaac aaagatcagc ttcatgcc 408

<210> 25518
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-E9
 <400> 25518

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 atactcggat tcttgttctc cgtactgggg ttgcggtttc ttgtctccct actggtgatc 120
 gctgcttggg tcctttctac caataccatc atcagttctg gtcttttccct cctcttgcac 180
 aacgtggtgg cggacacgtg cgtcgcgatg ggcgattggg tggcgcaccc gcaggcgcac 240
 acggcgctgg acgacatcct cccgtgcgtg gacgtggcca cggcgaacga gtcgctgtac 300
 cggagccagg aggtgacgtc gcagctggtg gcgctggtga acaacgtcgt cgtcaacatc 360
 tctaaccgga acttcccgcc ggggctccgn ccgctctact tcaaccagtc 410

<210> 25519
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-F1
 <400> 25519

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 gcctatgatc gttgccgccc tagtgctgga caacaatggc gctgacgcgg tctcctgcac 120

tgccatccct agcgtaacaa taagcctaga ggagaaagaa aatatcaatg gggatgttcc 180
cacgatcacc tcggccgcaa gcaacgagga ggaggcggtt ttcagtgtcg gagaatccac 240
caaggacgat ggccatcgct tgacgatgga atgctccact cccgtctnct ccagtagccc 300
ttccactcgc aagaagcgcg gggcggttcag cctcttcagg gcgatgttcc tgtccttcgg 360
ccggagcgac gacagcatga agaagacaga cgacgacacc acgagcccca agaagaga 418

<210> 25520
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F10

<400> 25520

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gccacgatcc ctccaaggcg gacaagggat tccacggagg agggtagccg gccgccgccc 120
gtggatacta cggcggccag taccggcgcg gcggctaccc tgctccaccg ggccggcggtg 180
cgtaccctcc cggccctggg taccgggtac cacctgggtg gtaccgcct cgggtgggt 240
accctcagcc tggcgggatac ccgccgtcgc acggggcgta cccggcgccg ggtgcaggcg 300
cgtatcctcc cagcgggtac cccatcaac cgggtctacc acagcctggc tatccatcga 360
tgcccggtca tgggtggcatg tacggaggag gccacgggtg agggggctct gcaggccacg 420
g 421

<210> 25521
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F11

<400> 25521

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agttccttaa tgtgcattct tgtccaaaga tcaatgcttt ggattttggc agactccgtt 120
tgggttgccc cagtctgaag cgcattccaga gcagcctcat ctcataatac agaggctgct 180
accatataaa ggaggggaat tcatgcaata agccgctgct cagatttgaa gaaaaaaca 240

aggggatggtt tggtttctag ggactaattt ttagtcccta cattttattc taatttagtc 300
tctaaattgc taaatatgga aactaaaact ctatttttagt tttcgtattt ggcaatttag 360
gaactaaaat ggaataaaaa tatagggact aaaagtttagt ccctagaatc caaacacc 418

<210> 25522
<211> 417
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-F2
<400> 25522

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gaactggctc taagegctct gcgcctccaa gaacgcgtgg aactccgccc tggccctcgc 120
cagacgcggc gtgatgcacg gcgatgatgg gcacgacgac gacgacgacg catccgccgc 180
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ccgcgacgat gccgagttct tcagtatccc cttcttcgcc gcgggtggtt cgccgtcgaa 300
cacgaacgcc atcttgaccg gcgcctccgc gtcgtcatcc gcgcagctgg tcttggccac 360
ctncgtcgcg tggcagtcga cggcgtcgtg ctgcgcggcc acatgcggcg gcggaag 417

<210> 25523
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-051-Q1-K1-D8
<400> 25523

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ctctatcaac ttatgaaaga aagggtcaag cctttctccg agtctgaagt ccgcaactgg 120
tgttttcaga tatttcaggc tcttgcatat atgcaccaga ggggctactt tcatcgtgac 180
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gcaagggaag tctcatcatt gccaccatat acagaatatg tctcaactcg ctggtatcgg 300
gcaccagaag tcttgctcca gtcattctgt tatgattctg cagttgatat gtgggcaatg 360

ggtgccataa tggctgagct gttgacactc catcctctct ttcctggaac cagtga 416

<210> 25524
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C2

<400> 25524

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ttgatgggtc ataaaaatat gaatttggtc catattattg cctactttgt tgtgcagtat 120
cgcaggcagc tggatcttga gcgaccttac acaaaaaaga aagagggttag tatatattga 180
tgatataatc taaacaagag ctactcgact taacttaagt ttcggcggat gggtagcttg 240
attcttcgtg tggctctaata gaaagaaaat agttgcatca aaattaatta gggctctaata 300
gacagctatt tctaattggt tcagttacgt tattacttag ttctctgtat ttcctatttg 360
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cta 423

<210> 25525
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C3

<400> 25525

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aggtccaggc gctcaggac cgcgccggcg tctgtctcac caggaacgtt ggcatctccg 120
acagcctgcg ccccgccaac ccgctaggct atttcaagga cgtgccgctc cccgtctgcg 180
ccgcgctgct caagcagctg gactcggacg acgacgacga ccagtaaact ataccacggc 240
ggcgtcgcgg acatgctgca caaaactaca acgatacaga gcgaacgcat ggcatggata 300
gcagtatcta cggaaagaaa aggaagaaaa ggaaaataaa aaatgtatca gagtgcttga 360
ttcaattgct gctgtcaccc attccccgtt cttaacataa catgtggggc ggct 414

<210> 25526

<211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-C4

 <400> 25526

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 agccgccgtg ctctgcctgc tcctcttctc tggccgtctc gccgcggcgg agaagacttt 120
 ccgcggaggt ggaggcggag gctacggcgg gttggaggcc tgtggcggag gcggcggcgg 180
 ctattccacc ccgagcggag cggcgccatc cacgcctgcc gctggggaga cgactacccc 240
 ttcgtcaggc ggcggttact ccactcctag cgtggcggcg ccatccaagc ctgccgctga 300
 ggagacgacg acgactcctt cgtcaggcgg cgggggttac ggcggtgcaa ccggcaaggc 360
 ttcttcaggc ggcggcggac tggaccccga cggcgaccca gaggttgggc tgaacggga 419

<210> 25527
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-C5

 <400> 25527

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 gccagcagca gtagcagcag ccggcgtgtg acgctgggtac tgctcgggtct ccgcctgctg 120
 cttctggttg gtgttgcgca ggcggtagtg gagttgggtgc ctgctgatga taatatcgcc 180
 gccgccgctg ctggcacggc ggtggacgat ggcgagccgc ctcagcagtg cgcgaccccg 240
 gtgagcgtgg aggaggcgtg ccgcggcgcg tccgagacgc acgccggcgt ggcctacgac 300
 cactgcatgg cgtcgctggg cgcgacccg cgcagcaagg aggccggcaa caagaacatg 360
 cacgggctgg cggtgctggc caccaggatg gccatcgacc acgccgncag caccg 415

<210> 25528
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-C6

<400> 25528

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attacaatcc ttcaagagag cagcactaca ctacactaca ttagagagag gtcgagcgcc 120

cctcctccga tccgcgggcc cgccgagagc tagctgctga tcggtcgagg agagtcatgg 180

cgacgtcgac gatgcgcgtt gccgcggcg tgctgctggt cgtgtcggcg ctggcgacct 240

tggcccgggc cgaggacccc tacctgttct tcgagtggaa ggtgacgtac gggaccaggt 300

ccctgctggg agtgccccag aaggtcatcc tcatcaacgg cgagttccct ggccccagga 360

tcaactgctc ctccaacaac aacatcgctg tcaacgtctt caaccagctc gacct 416

<210> 25529

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C7

<400> 25529

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ttatctggcg gtggtctagg ctatcctttc tatgtcactg tccttcaagg tgtctaagta 120

attatcagga ttcaagaagt accttcttga gcgtcaatat agaccagtgc aaaactcagg 180

aactacaccc aattgcaacg ggccgatgat aataggtgcc agccagtcca gtttgtgcaa 240

agatctgccc cggtagtctc ctgactgaat atacttggat acgctcatgg ttctgcttcg 300

gtaccgatat atttacacgt ctttttgaag gatgacttct ggtgagtaca tgtatacaat 360

tgtcgtggg aacaaaaact aacggtaatt gctgggtggat ttttggcaga cagaat 416

<210> 25530

<211> 160

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C9

<400> 25530

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aaaacattta tggatcataga gtctgccctt cgtttgtcag tcgggcaatt tttcttgcatt 120

acaatgcctt cgtttaagta tcggatgagt tgctgcgact 160

<210> 25531
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D1

<400> 25531

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ggttgcggt catgctatga ggtgagatgc aaggaaaaac ctgagtgtc gggcaatcca 120
gtcacggtgt acatcactga catgaactac gagcctatcg ctccctacca cttcgacttg 180
agcggcaagg ccttcgggtc cctggcaaag cccgggctca acgacaagct tcgccactgc 240
ggcatcatgg acgtcgagtt cagaaggggtg cggtgcaagt accccgccgg gcagaagatt 300
gtgttccaca tcgagaaggg ctgcaacccc aactacctgg ccgtgcttgt gaagtttgtg 360
gcgacgacg gtgacatcgt gctgatggaa atccaggaca agttgtcggc tgagtgg 417

<210> 25532
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D10

<400> 25532

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caggatctca tcaaatttcc aagcaacgac atgaactggg gacaggagca ggaagcgtgg 120
atcgcgaccg gctgcgacgt cgacgcgcgc cgggcggagg tggaggagac gcgcgagcag 180
gctgtccgg cgccggtcga gccgtgcctg tcctcgttcg tggacatgtc ggagatcttc 240
cccgccagcg tcacgctcag cagcggcggc gacgtggaca atagcggcaa caagccagac 300
gaggaaacgg tcccgcgacc gcagctgttg gccacgacgg cgctctggtc ccggacacag 360
aaa 363

<210> 25533
<211> 418

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D12

 <400> 25533

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 acgacgccgt cacgttttcc ttcttgggtg cgtgcgtggc cgccaccgtc gcgcttgctg 120
 cgtccatgtg ctccggcgtg ggccgcaagc caaaggcggc caccaacgcg gacccggccg 180
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 cggtagagga ggaggtgggt aggctgtcgc cggagctggc gatgcacggc gccatcgagc 300
 cggtagcgct gccgtcgctg acgtcgaggc ggcggtgtc catcagcgtg agcaagaagc 360
 tgagcctgaa tatcccgac aagctgcggc tgagccggcg ggagcacaag gaccacca 418

<210> 25534
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D2

 <400> 25534

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 tgcaggaggc tctacggagg gcagtgcccg cacctccggc atgcagaagg aagagacccg 180
 aggcaacaag aagccagcga ccctcgctgg atctcttggg tcaggcaaga atgcatcta 240
 cgggtaaatg attagaagga atcctgcttc ggaaggatg aaaacaatgg ggatgtgctc 300
 aacaatcaat ctcaacccca ggtgacggca atgagtcacc cacaggaatg taaccggata 360
 tagatggaca ttgctcgttc catatttctt tttcatattt tctcttcaaa ttcaattgaa 420
 atac 424

<210> 25535
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D4

<400> 25535

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gacaatagta tgcatagcgt tgggtgaagg accggacaat caaagagtca aaaccttcac 120

gtgtctcaaa gccgccgtag catgaaagct ccgaattttt ccatgaaaag aggtccttca 180

atggccatga gagctccttc agtagcgatc agagcgccct caatatctct gagaggtcct 240

tcaatgtctt tgagagcatc ttctatgtct gtaaaggaag accaaagttc ctcaaacaag 300

tcagatgagg aaacggaatc tgtgttggtg aagctgagcg cacgtcagat cacacttttg 360

ctgtcatcca tttgggtcca atcaacatcc cctgaaaata ctctgtgag caatggcttc 420

at 422

<210> 25536

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D5

<400> 25536

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aaacgctgga gcagggtacc ttctttgect tcatatgtgc catttggtga gctttacctt 120

ttgggagatt catcagtc aa tacactttca gattcagaat actccaagat gacgtcgggtg 180

cagtctgtta tatcggagtt aagagagcgt ttgcagtcgc actcaatgaa gtcctatagg 240

gctagatttc aaaaaatata tgattcatgc atgtgtgcaa atgctcccat ttttactggc 300

attgagcaat tgccacaatt ttcacatcta caagaattaa ttggtctaac agctactgat 360

tctgttgaac ttggagatat cgtggaccct cctgttatcc gaactgctac ttc 413

<210> 25537

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D6

<400> 25537

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aaggttgggg cgcacagcag agttcagccg ttctgttcc tgataaaacg agagaaggat 120
ggcagtgtct cagggagctg tcctattctt gtttctctc ctctctgcag cagaggtggg 180
aaccatcgat gccaaaatgg gagtagccat gccatgcat gccttgataa tggagaaagc 240
gaaacagcag gagaaggaga agaaggagga gaaaagcacg gagaaggaag agagtcaatg 300
cttatcgccg agtctccagt tcgagggtt ctgcttcaac agcgacagat gcgccgaggt 360
gtgcatgaag gagagctttc ccggtggcga gtgcaagcgg gacgtggcca tgcgc 415

<210> 25538
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D7

<400> 25538
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agcagtatta ccaggcgcag ctgtatttcc agccacagca gcagcagtat tttcagcagc 120
atcaacagac gttggcaatg ccaatgccaa acatgtatca ccaccagtat cagtactctg 180
tgctacatc tggagcttcg aaccatttg gtgatccttt cagtgcctt gccccaatgg 240
gtgctcctgc aaaacagagc aactcagttt ttctctgaac tgggtgctac ttctgagtct 300
gatcattcaa ttggtagagc agcaaacctg tacagcactt gttccttcgc taagtggagg 360
tgttgatat tgtctttctt ttgcaatatc caaatcttga aatataacat t 411

<210> 25539
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C12

<400> 25539
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gagaaagagg agagagagag ggacgggggc ggggccggcg gaagcggagc ctgcgcccgc 120
cggaccgaat cctcgccgga tcgcccggcc tgccggggcg gcgctgcgga cggcctgac 180
cggctggaat ggccgggggc cgacgagga tctagcggag gtgggtgtcg cgcggcaatg 240

gctgcgggcg aggcgcggcg cccgtcagcg gtctgggctc tgctgccgct gctgctgcgg 300
 ctgctccacc cggccgcgct cgtgctggcc aacaccgaag gtgatgcctt gcatagcttg 360
 aggactaact taaatgatcc taataatgtt ctacaaagtt gggatccac tctggtc 417

<210> 25540
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-A8
 <400> 25540

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 cgacattcct ctatttctct catggtctta aggagatcaa gtgctaggcg tgcggcgaaa 120
 ttagttaccc atgttgggta ctatctatgt actattatta tatccaaaac tatagttgtc 180
 ctggctgaat tgaactcaaa agggtttgtt tgagaaaaaa ttgtcccaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaacaa aacaaaaaaaa aaataaaaaa aaaagaaaac aaaaaaaaaa 300
 caaactcaca aataacccaa aagacaaaaa aaaaacacac aaaaaaaaaa acacacaaaa 360
 aaaaaagggg ggggcctttt taagggcccc agtttatcat cccgggctt 409

<210> 25541
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-A9
 <400> 25541

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 ggcgttcgc cggcgacgag catccgccag gtgccagcc atgtcgtcca atgctggggc 120
 ctccgtcgt cccatcggcg gggcgctgc tcgtgccgc agtcgcagct tcgggagcag 180
 cagcagcaac ggccgggccc ccgacggcaa tggcgctggg gtgttcgtga gggcgnggc 240
 cgacaacgag atgtacgtgc gggcggataa gatcgacctc aagaacctgg acgtgcagct 300
 ggagaagtcg cgggccagg tgtggctgga gcaccagcgg tcgcagcgga cggcgctgcc 360

gcggccggag acgccgctgc tcgagtggga gatcgacctc gccaaagctcg acatccagaa 420
ccagatcgc 429

<210> 25542
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-B1

<400> 25542

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tgggaggcgc tcgagttttc aggtaaacca tagtttagtg accaatggct cgtactaagc 120
aaactgctcg caagtccact ggagggaagg ctctaggaa gcaacttgcc accaaggctg 180
ctcgtaagtc tgcaccaca actgggggag taaagaagcc tcatcgttac cgccctggaa 240
ctgttgctct tcgtgaaatc cgcaagtatc agaagagcac tgacctgctc ataaggaagc 300
ttccgttcca aaggcttgct aaggagattg cccaggattt caagactgat cttcgtttcc 360
agagccatgc ggtgcttgcg ctgcangagg ctgcggangc gtacctggtg ggtc 414

<210> 25543
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B10

<400> 25543

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agcaagcgtc gccgacgcc taccgcttct atgcgatggg agccccgtac gaccatacgc 120
tggacgccac caggctcatt ccgaggacca tgatgacctg gaggtcggtc tggttctggt 180
cccagctgga gtcgtacaat cacgatatcg cctgccacat gcacgtcagc cacctcgagc 240
tcggcaacag gctgtacagc acgctgtcca tgactgtga caagctcagt ggccaggaaac 300
gacgcgatcg gaaacaccct agcgaggaaac agaccggaag cgcgcacgtg cacgagaaag 360
ccagctgact gcaac 375

<210> 25544
 <211> 279
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B11

 <400> 25544

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 gtacattgac ggacgtggta ccccatgtct ccgatcagag ctccgtacaa ttcttagatg 120
 gatatgacaa tgctaatccg tagaaagatg atcaactgta gctaggtctc tttctagttg 180
 caatgaacct cttgcaatca ctacatagca ttctacatag tgatcatcga catcttggtc 240
 ttctacagga tgtacaacaa catttccgtg aactagatc 279

<210> 25545
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B12

 <400> 25545

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 tcaaggaaga aatcagcaag gttgtcaaga tccaagagga gcttgacatt gatgtgcttg 120
 tgcatggaga gccagagaga aatgacatgg ttgagtactt cggtgagcaa ttatctggtt 180
 ttgcattcac tgccaacgga tgggtgcaat cttatggatc acgttggtgtg aagccacca 240
 ttatctatgg cgatgtcagc cggccgaacc ccatgactgt tttctggtcc aagacggcac 300
 agagcatgac cgctcgtccc atgaaggga tggttgactgg tccagtcaca atcctcaact 360
 ggtcatttgt caggaacgat cagcctagat ttgagacatg ctaccaaata gctcttgca 419

<210> 25546
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B2

 <400> 25546

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aaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaaaat ataggactaa cccatctcaa 120
 tgtatcctaa cttacataca catcattgcg gatccctttt tatogtttca attttcctta 180
 catctaactct actactccgt agtttttctt cgtcgtgact gtaaaaacct taactttccc 240
 catcttaata accttttaac tgatacaact ttggctaata tgaacttatt c 291

<210> 25547
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B3

<400> 25547

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 acgcttgctg aatcaagaaa ttttacgtgt ttccacacta ttggagaacg catccctttt 120
 aaatcaaagt ggccttgaac atggtagtcc actaacaaca ggaggattat attcaaattg 180
 agcagctact gacatgaatg tgtggacatc agcatttcaa ccagaaagtt caccagctta 240
 tagctggctt ggaggatccc agggcagctc ctctggactt attgtcaaaa caatgaagggt 300
 cgatatccca gtagacaaat atccaacatt caatttcgtt ggccgcatcc ttgggtccaag 360
 aggaaattcc ttgaagcggg tggaggcaaa tacggactgc cgtgtgctaa taag 414

<210> 25548
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-B4

<400> 25548

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 gggttgcaga aggagccgat gacttaaaaag tttcttgctg taaagagtgc acccaaaatt 180
 ttaacactcc cgagggcaag aagatctgtg aaacgatgtg tgccaaccct aaaggaaggc 240
 ctatcgacag agttagagct gattgatcaa tgctcatctt tatttgtagc tagctatcat 300

gcatgcgatg atggccttct tgattattat tatttcattc ctcatgttgt ttgttcttgc 360
 atgttttttc caccactaat attgtcctaa ttgatgcata caagttgtca ctcanagcat 420
 tttct 425

<210> 25549
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-B5
 <400> 25549

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 gaaactccgc ccggcgacgc gggggaaaat ggggaagacg ccggtgcgga tgaaggcggc 180
 ggtgtacgcg ctgtcgccct tccagcagaa ggtgatgccg gggctgtgga aggacatcac 240
 caccaagatc caccacaagg tcaccgagaa ctggatctcc gccacgctcc tcctcacccc 300
 cgtegtcggc acctaccaat acgccatgtg gtacaaagag caggagaagc tttcccacag 360
 atactaaatg ggatgtcttc caagttgctg cggcttgctg cagttgaatt ttccatgat 419

<210> 25550
 <211> 230
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-B6
 <400> 25550

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 aatataagac tgagggcact tgaagaggat caggagtcc tcaatcaggt attgagttcg 120
 ctccaatgtg gtagtgatgg gctgcagtgt atacaggaga taagcaggca cttagcagag 180
 ttgcgaagag ttgtggctca ctaaaatgaa aatgggtttg ccccgagtcc 230

<210> 25551
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B7

<400> 25551

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caggcaagaa catcacggcc acctatggca aggactggtt ggacgctaaa gcgacatggt 180
atggcaagcc gacacgggtgc cggccccgac aacaaccgtg gcggctgtgg gtacacagac 240
acgaacacgc ccccccttaa tatcacgtgc gcatgcgca acatatccat atttaaggat 300
aggctctgtt gtgggtcctg gttttagatc aagtgcgata agcctgtgga gtgctccggc 360
aagcccgtgg tgggtgcacat cacggacatg aactatgagc ctatcgcggc gtacc 415

<210> 25552

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-B8

<400> 25552

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gacgtgacca tccagggtga tggcaatctg ctggcgacca cggacctaa caggtacaag 180
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aaccttgacg ggcagggccc agccgtgtgg agcaagaact cctgcaccaa gaagtacgac 300
tgcaagatcc ttcccaactc gctggtgatg gacttcgtga acaacgggga ggtgtccggn 360
gtcacgctgc tcaactccaa gttcttcac atgaacatgt accggtgcaa ggacatgc 418

<210> 25553

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B9

<400> 25553

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gaggagggag gaaccagaga cccggcggcg gcgacgatgg ctccgcgcag ctcatcggcg 120
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 ggaggaggac catcggcatc tgcggcggac ctggacaagg tcacgggcga gaccttcttc 240
 gacatcgaga tcgacggcaa gcctgcaggc cggatcgtgc tgggactggt tggggacacc 300
 gttcctaaaa ctgcagagaa ctttcgagca ctttcacag gggagaaagg aattgccaa 360
 tccggcaagc ctctgtggta caaggggtcg acgttccaca ggatcatccc ggggttcatg 420
 atcca 425

<210> 25554
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C10

<400> 25554

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 acaagaacgg cgacggatgc atcaccatgg aagagctggc cgcagtcacc cgctccctcg 180
 gtctcgaccc gagcgatcag gagctcaatg atatgatgag cgaggtcgat acggacggca 240
 atgggatcat cgatttccag gagttcttaa gcctcattgc ccggaagatg aaggatggcg 300
 acggcgacga agagctcaag gaagcctttg aggtcctgga caaagaccag aacggcttca 360
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<210> 25555
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C11

<400> 25555

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 cccacgcgtc cgcccacgcg tccgcccacg cgtccgtagg cgccttcttc gtcccacgct 120
 ccgtctttat ttgtaatctg aagcttacag gaacatttga gtggatcatg gacggattgg 180

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gcagcgatcc gtatgtcgtc ctacgacttg gcaagaagaa acttaagacg agcgtgaaga 300
agagatctgt gaaccccatc tggcagcagg agctaactct gaccgtcaca gatcccagcc 360
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acg 423

<210> 25556
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A7

<400> 25556

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gtaaggcgac tttatacatg agctacatct tagatatcga cctcaaggcg aacaccaagt 180
ccgacgataa ctaccatcta tatgagtaca ccgacttgta cactgacgtg catgggctca 240
attactatag agagaacaac gacatagaca aagatgtcca tatgatagat taaaacgta 300
agacgcatga catggactgg attgtagaca tgactttoga atgatgatat actcatacac 360
tgtatta 367

<210> 25557
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H2

<400> 25557

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cccggcgctt ccgggttcag gttccagacc accacgtact gccacgtcga ggtttaatta 180
ggagcgagag gaagcagaga ccatggctac ctctctagct gctgctcctg ccgttgccctg 240
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gcagtagtgc agtgatgcgg gatgtaaagg aggggtaaaa aaaattcctt tcgttctagc 360
cccttgtttt tttgcatctt ctcttcacc ttccatata ctactagtat gctctgtcga 420
ctg 423

<210> 25558
<211> 366
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-050-Q1-K1-H3

<400> 25558

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cgtcaccttc aagaacatca ccggcacctc ctccaccccg gaggtcggtta gcctgctctg 180
cactgccaaag gtcccatgca ccggcgctcac catggatgac gtcaacgctc agtatagcgg 240
caccaacaac aagaccatgg ctatatgcac gaacgccaag ggcagcacca aaggttgctt 300
caaggagctt gcatgcttct agacccttcg tcgactgacc catctctcta gntataattt 360
ttctct 366

<210> 25559
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H4

<400> 25559

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cggccaccgc cccacaggta gcggaggcaa agaagaagag agcggcggag agcggcgagg 180
cggcggaggc gaagaagatc caggacgact tctgctcgac gctgtgagag ggcaagaagg 240
ggacggacct ggtcgtgtgc aaggagtcct gcgcgtctc ccagcagtc aacctggtgc 300
tgtacggcag gatccagtgc aagggaagt gcaccgagca gaaggcatc acggcgcccg 360

cocatgaaggt ctgccaggag gaggcgaca aggcgtacgt ggtg 404

<210> 25560
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H5

<400> 25560

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tttcatgtct gatctcgaca ttcagatccc aactgccttc gatcccttcg ctgaggccaa 180
tgctggggac tctggtgcgg cagcagggtc aaaggactac gtacacgtgc gcatccagca 240
gcgtaatggt cgcaagagcc tgaccacgt ccagggattg aagaaggagt tcagctacag 300
caagatcctc aaagatctca agaaagagtt ctgctgcaat ggtacagtgg t 351

<210> 25561
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H6

<400> 25561

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aaaattagtg actacgttct ttcaaatgaa ttagtgagca tggcattggc aatggtcgcc 180
gaagatcggc agataaataa tgtcttggag gagctcttcg ctgaacaagg aaatgaaatg 240
caaatacgac cttctgatat gtaccttaga gaagaagagg aattaaattt ctttgaggtc 300
attctgcgag ctaggcagag gaaagagatt gtcattgggt accgtcttga ggcagctgag 360
cgtgccataa tcaatccaat agacaaagtt tcaaggcgaa agtggtcacc caaagatggt 420
t 421

<210> 25562
<211> 361
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H7

<400> 25562

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gattacagct tctgctttat caaactgtg tgggttcaag attcacgaca agcaagggag 180

aatgcacaga tttaactgtg aaaccagcag cttgacagat ctgataacta gcattcttca 240

catggtttgc gatgacattg acagaaaaca cctgccacaa attttgtatg aagatgatga 300

ccatgataag gtcattattgt cgtccgacag tgaccttata gcttgcgat accacgcaag 360

a 361

<210> 25563

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H9

<400> 25563

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gcggacaacg acggcgagga ggcgaggaa gaggagggcg acgacgaggg ccgccaccgg 180

ggccagggcc cgccgcagca gggcgccac caggcccaga ggccgaactc cggcccgcag 240

cagcagcagc agccgcgccc gccgccgccc ctgccagga acgtcggcta cgtcggcaag 300

catgcctct ccgccgcat cgccgcctc gaccaggagc tccagtcctt ccaggaggag 360

ctggacgagc ttgagaccat ggaatctgcg tccgcggcgt gccaggagta agcagatttt 420

gagtg 425

<210> 25564

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A1

<400> 25564

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cgcgccctgcg tcttccctcgt cgtgctcctc ctagccgcgcg tcgccatggc gccgttcgcg 120

ggcgcgggcgc gcatcgacgt cgtcgagggc aggtccatgg cgtccgcgga cgcaccggag 180

gccgcgcgcg acgctcccgc tctgtctcct ggccccgact cctcctcgac cccgtcgccg 240

gcacctcca gcagcagctc ttccgactag ccgcccggca gagatatcta cggcgctccga 300

tcagtctttg gcgccaccta taacctatcg gatcctgcaa agctatatat gattctatgg 360

tataatgtgt gggtgcgga aacgcgcgga aataatgtgc ttgctgatt gtttttctct 420

ctct 424

<210> 25565

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A10

<400> 25565

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gcgcagtctc gagacaggaa ccggaggaa gaggatggag gatgactcgc cgctgacgaa 180

gacgatgaag ggtgcggtga caggactcgc cgcggggacc atctggggca ccgtcgctgc 240

cacctggtac gacgtgcccc gtgtggagcg ccacgtcgcg ctccctggcc ttatccggac 300

gctcaagatg tgcggcacct acggggccac ctccgccacc atcgggggcc tctacatcgg 360

cgtcgagcag ctcgtgcaga gccagcgcaa gaagcgcgac ttctgtaacg gggccgtcg 419

<210> 25566

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A11

<400> 25566

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaggggg cggtttttaa aaaaaaaacc aactttactc tgcctgacaa 240
 ccaaataaat cttttttaag gggggcaaaa aaaaataaat tggcgggcct ttaaaaaaaaa 300
 aggactggga aaaaaaaacc ggggacaaac caaatataat tggctgaaaa aaaacttttt 360
 ttaagcaggg ggaaaaaaaa aaaaagggc ccgaatggat ttcctaaaa 410

<210> 25567
 <211> 419
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A12

<400> 25567

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 tgaagagaag agaaggcctg cgagcgatgg gcatcgtcga cgtcgtctcc gagttctgct 180
 ccttgccgag gactcgccgg catctcaaga agaggaagca gttccagacg gtggagatga 240
 aggtgcgcat cgactgcaa ggggtgcgagc gcaaggtgaa gaaggcgggt gagggcatga 300
 agggcgtgag ctccgtggag gtggcgcca agcagaacaa ggtgacggtc acgggctacg 360
 tggacgccac caaggtcatg cgccgcgtcg cctacaagac aggcaagcgg gtggagccc 419

<210> 25568
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A2

<400> 25568

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 ggctcctgcc acggtgacgg cgcacgcaa cggcgtctcg gtgtccgccg tcggcgtcat 180
 cggcaagggg aaggaggtgc tcatcatggg ggagtaccag cccttcgagg agatcaaggg 240

ggagctcgcc ctcgagcccc agtacctcga caggctcgctc gagcgccaca agttcatcga 300
cgactgcgag gcagccatca acgagcagat caatgtggag tacaacgcct cgtatgcgta 360
ccactccctc ttctgctact tcgaccgcga caacgtggcc ctc 403

<210> 25569
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A3

<400> 25569

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gccgcggcag atcaatctgc cggcgcgcgcg cgaccggggc ttcttcagcc tgtgaatgat 120
cccacccaca tccatccacg agcgtgcgcg tagactgatg cctaggtaaa gagaccgagt 180
ttgctgagtg ctagtattaa gttcagcctt catgttgcgg tattgtattg gttgctccgt 240
ttccatctga tcagatgatc atagttgttt ccttgatcag atgatgtgta ctagacgttt 300
tgtccagggt gagctgaagc tgtgatataa aatttcatta cgttggtatt 350

<210> 25570
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A4

<400> 25570

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tgagcccctc gccgcggtga gccaaagccg cgacacgtgc cccggggctc acgctcacca 120
ccgagcccca accaattaat aatatatata tatagctagg atcgatcgtc agtaaaatgg 180
caggctccgc cgtcctgagg agccccctgt ccgtcctcct ctacatcctc gccgccgtgc 240
ccgccaccgc cgcggcgacg ccgaccgacg ccgccatcga cgaggcgtag gcgcctctcg 300
tcaacctcac cgctaaccag gactactggg cggagcgcgc ggaggcggcg cacgcgtaca 360
accgcgcggc gtaccagacc gaccccgtag ccgtcgtgca gcgcttcaac gacggcgtgc 420
ac 422

<210> 25571
<211> 120
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A5

<400> 25571

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ctaaaaaatc attaacgctc cacaaactat cgacgttttt ttaaactatg aatgatacta 120

<210> 25572
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A6

<400> 25572

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aagagcacat atgagtcaat caccaaagga aatcctatgt ggaatgagct gccagtctca 120

acaagcactc tctacccttg ggatccatca tctacatata tccatgagcc accttacttc 180

aaggatatga aaatgagtc tcttgccccg cggcctgtga aggatgcata ttgccttttg 240

aattttggtg acagcatcac aaccgatcac atctcacctg ccggaaacat tcaccagac 300

agcccagctg caaaatatct gaaggagcgt ggcgttgaaa ggaaggactt caactcatat 360

ggtagccgaa gaggaaatga tgagatcatg gctaggggaa cctttgcca cattcgtctt 420

<210> 25573
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H12

<400> 25573

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ggggcatctt tcgagtgcgt gcgtgtctgt tcaagctctg atcgtctctc cgccccattc 180

gccggaggaa actgaccgcc gccttctcgc tctcgtctctc taccctattc ccggggctga 240
gaggggagga gagaaggcca cgtccacacc ataaagcagg acgtacagac acgtgtacga 300
gggggatcac ggtcgggtga ggtgactaag ctggcggacg gaacgacgac gatggcgagg 360
agcggccgcg ggatggaagg cagcggcggg ctgaagaagg ggccgtggac gcaagcggaa 420
gacaagct 428

<210> 25574
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F7

<400> 25574

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gttcccccg gtaagaacat cacagccaac tatggtagtg attggctaga tgccaaggca 180
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aaggacgtga acaaggcccc tttcaacagc atgggcgcgt gtggcaacgt ccccatcttc 300
aaggatggtc taggttgtgg atcctgcttc gagatcaagt gcgacaagcc agcggagtgc 360
tctggcaagc ccgtgggtgt gtacattaca gacatgaac 399

<210> 25575
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F9

<400> 25575

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tggtcgcgtc tgtccccatc gccgtcgccg tcgcgcctct gctcctgctc ctctcgtct 120
ccactgcgtc cgctgcacgg accgtgggcg acaccgtgca ggacgcgtgc agcaagacac 180
aattccccaa gatctgcgtg gacagcctcg ccgcaaagcc agagagccag aaggcgaccc 240
cgcgcgggct ggcggagctg ttcgtgaaca tcgcggccga gaagggatcc gggatggcca 300

cgttcgtgca cggaagtagc aacaacgcca aggacagcac cgtgttcaag tgctacgaca 360
gctgctcgga cgacgtcgag gagggcgctg cccacctcaa cggcctcgtc cgggagccca 420
ccga 424

<210> 25576
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G1

<400> 25576

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ctacatcaag gatgccatcg aagctgtagt gctgatgatt gaaaatcctg ctcgagccaa 180
cggccacatc ttcaatgttg ggaatccgaa caatgaagtt accgttaggg agttggccca 240
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ctattgtaag tcatctattg tgatcttgtc acgaggttct agtattttcg caacggacaa 360
aagagtttga gagtactacc t 381

<210> 25577
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G10

<400> 25577

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caaatacaag agtatctcat ctggatttgg tctctgtta aaggagcaag gggccagggg 360
tttcttcagg ggat 374

<210> 25578
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G11

<400> 25578

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tcagcgacat ctgctggagc agccgatctg aggagaacat ggctccttca gtggttcagc  180
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gattgttatt taagtgcagt ctcttcggag atgcaattac agtccatcct ctctttcttt  300
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<210> 25579
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G12

<400> 25579

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tcaagctcgt gggcgccgcc acgttggggg ccgtcctcga ccgcctccac ggcgtgggcc  180
gccccgtcac gctcgtcgtg tacacgtgc tgctgtcgtg ggtggccgac gtggcgcgcg  240
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tccattctt ccgcgccacg gacggcgctc accgggccat cgccgcgggc ggcggcgacc  360
cgtgggcgag cgtccggttc ccgg                                     384
  
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<210> 25580
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G2

<400> 25580

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aagctgatgt gaagacgaag tgggaaaaca gctcatgggg caagaagctg attgtccaga 360
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<210> 25581

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G4

<400> 25581

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acggcaaaga ctatggccgc ctcgtcgtca tcgtcgatgt ggtcgaccag aacagggcac 180
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aagctgatgt gaagacgaag tgggaaaaca gctcatgggg caagaagctg attgtccaga 360
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<210> 25582

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G5

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 ctacaagcgc acctttaatc tcgcttgcat tgaccacaga ggcacacc 348

<210> 25583
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G6

<400> 25583

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 cgcacccgcc atcgtcgggg ccgcctgggc ctcttcttcc gcgtactaca ttactgagc 180
 cgccggacga ggagccggag ccggagggaa gagaccaagg tgggggggaga gacttggctg 240
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<210> 25584
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G7

<400> 25584

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 aatgatgaca gaggcacgcc atatattgtt gaccctgact ggtgtacttg ttactagttt 300

ctattgtaag tcattctattg tgatcttgtc acgaagttct agtcttttcg ctacggacaa 360
atgagttgga gagtacta 378

<210> 25585
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G8

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aaaaaaaaaa aaaaggggcg cccttttttaa agaaccaat tttccttacc tttcctttca 180
acttcttact ttttttttag tgccacctaa ttttaatttaa ttgcccttct ttttacaact 240
ttttaattgg aaaaaccctg cctttcccca atttaatccc tttgcataaa atcccctttt 300
tgccacttgg cttattacca aaaaggccct 330

<210> 25586
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G9

<400> 25586

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gcggaaggc cttcggtctc ctggcaaagc ccggggtcaa cgacaagctt cgccactgcg 180
gcatcatgga cgtcgagttc agaaggggtc ggtgcaagta ccccgctggg cagaagatcg 240
tgttccacat cgagaagggc tgcaaccca actacctggc cgtgctgggtg aagtttgtgg 300
cggacgatgg cgacatcgtg ctgatggaaa tccaggacaa gttgtcggct gagtgggaagc 360
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<210> 25587
<211> 334
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H1

<400> 25587

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acatgaccct cgatgacatc atcaagaaca acaagaagag taaccctcc tccggcgggg 180
cccgccgcag ccgctgcgga tccgcccctg gcggcagcaa cggcggcgctc gggccgacca 240
agcgtcctt caagaaggct gggaacaagc acgcgcctta ccagccgacg aaagcccctg 300
acgctgacat gcatcacgac atgtaccctg cggt 334

<210> 25588

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H10

<400> 25588

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gtgggaaata aaaagcggag gaggaaggga attaggagga aggatcaaaa aacaaagatg 120
cactatgggg aagaggaaga tgagtacaaa gatgaaccag aagcagatga tgactatgca 180
gacctggcga ggtataatgg cgctgacaat tcagagagag cccagatca cttcttgca 240
gctgctggcc ttgacgattc tgatgccgaa gatgacatgg gtcacctca atctgcaata 300
gaacggatga gacgagcttg gtcagaatct gaagacgatg agccagtga gaagccagca 360
acacaacct 370

<210> 25589

<211> 82

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H11

<400> 25589

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cggtgactgc attgatcgaa tt

82

<210> 25590

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-F6

<400> 25590

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gccaaaaagg aaaagagaaa agaggaaaag aacgcaggga atgggcaagc agcagcaggc 120

gccaccggcg cggcgggtcca cggcgatgtc ggcgcctccg ccaccgaagc gccggaagaa 180

gaagggccgg ccttccctcc tcgacctcca gaagcggagc ctccgcctcg agcagcagct 240

ccagcagcag cagcccaagg ggcgacgtc caaccgccgg agcgccggct ccgcggacga 300

ggacgacgac ggccccgcct ccggctccgg ccgcgcgag aagaagctgc gcctcgtcat 360

gggccttcac gacggatcac ccaaggtaga aaagacgagg aaagcgacng atgggcatg 419

<210> 25591

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E1

<400> 25591

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accagcgatc gcccctatggc cgccatggct cgttccgtct ccctcgtcgt ggcgcccctt 120

ctctcctct cctcctcgt ctccgccgcg gccagtgcgc ggaccgtggg cgacaccgtg 180

caggacgcgt gcagcaagac ccagttcccc aagatctgcg tggacagcct cgccgccaag 240

ccggagagcc agaaggcgac gccgcgcaag ctggcggagc tgttcgtgaa catcgcggcc 300

gagaagggat ccgggatggc caccttcgtg caccgcaagt acagcgacaa ggaggacagc 360

gacatattca agtgctacga cag 383

<210> 25592

<211> 422

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-E10

 <400> 25592

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 atgttcgtgt tcggcgactc gacgctggac gtcgggaaca acaacttcct gtcgggggcg 180
 gccgtcccca gggccaacaa gcccactac ggcgtcgact tccccggcgg ccatcccacc 240
 ggaaggttca gcaatggcga caacacggct gacttcgtcg cgaagagcat ggggttgaag 300
 agtagccctc cgccgtatct gtcgcttgca cccaacggct ccagccctct gtcgcgcgag 360
 actgctctca ccactggtgt cagctacgct tgcgcagacg ctggcgtact cgactcaacc 420
 aa 422

<210> 25593
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-E11

 <400> 25593

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 gatcgggtcc tacggggagc gcaacgacca ggaagccccg cggatgtacg cggagtggat 180
 ggcggcgcac ggccggacct acaacgccgt cggcgaggag gagcggcggt accaggtgtt 240
 ccgggacaac ctccgtaca tcgacgcgca caacgccgnc gtcgacgcg gcgtacactc 300
 ctttcggctt gggc 314

<210> 25594
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-E12

<400> 25594

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tgcactcggc cggtcgggctg ctctgttcag ctagctgcat gctcggccac catatctcct 120

ccagtacggt cgtcgttctc cacgccgcta tctggctctgc ggtaagcagc agctagaggc 180

cgttggtgtag gctacacaga agatcatcga ggatgctggg gaagaagaac aacagcacgg 240

cgatggcggc gggcggtgctg ccgctggcgt cgctgaacca catcagcatc gtgtgccggc 300

cggcggaggc gtcgctgcgc ttctatgcgg acgtgctcgg cttcgtgccc atccgcggcc 360

ccggctcctt cgacttcgac ggcgccctggc tg 392

<210> 25595

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E2

<400> 25595

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attctacagt tggcgaattt gcattcacia ccgcagaagc tggaaactac gttgcatgct 120

tctgggttga tagtgcagag aaaggatcag gagtatctgt gaatcttgac tggaagattg 180

ggatcgcaac aaaagattgg gatgctattg ctaagaagga aaaaattgag ggtgtagaac 240

tagagcttcg gaaacttgaa gtggcagtac aggccattca tcagaacttg atatacctca 300

aagaaaagga agcagagatg cgaactgtga gtgagacaac aaattcaagg gtcgtctggc 360

tcagtactct gtcgctatgg gtctgcattg cggatatcgg tttgcaagtc cgacac 416

<210> 25596

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E3

<400> 25596

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ctcgtggcca cggccatagc cgccgctccc ggcggtgggt ttgtcgtcac cggccgcctc 120

tactgcgaca actgccgcgc egggttcgag acaaacgtgt cccacgccat ccaaggcgcg 180
 acggtggaga tggagtgccg ccacttcgag tgcagcagg tccacgacaa ggcggaggcg 240
 acgacggggcc cgggcggctg gtacaggatg gagatcagcg gcgaccacca ggacgagatc 300
 tgcgacgtgc gcctgctcaa gagccccgag gcggactgcg ccgagatcga ccac 354

<210> 25597
 <211> 150
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-E4
 <400> 25597

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 gtgaacccca tggcgcctct gcttgattcg tgtttcacct gttatgttct gagattcatg 120
 ataatgctat gagaactgaa attcccgttt 150

<210> 25598
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-E6
 <400> 25598

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 acagctggty cggagccaat gaacaacaag aagaggcgag acgtagtcct atagtgggtc 180
 agcaagtgtg taatgtgtat aggagctcaa gcaagcaa at ttgtgtatca gtacacagat 240
 gcaatggagc tactttttgcg gcttagttca cggatggctg tgtacattgg ggcattgttt 300
 gcgggggatt ttaatgctat gcatacttag ggactgagaa agacatggac gagttcatga 360
 tgcgtgcaga tcagtctgga agtcctggac caaatagaga gaaaacaata ggatgacgat 420
 tc 422

<210> 25599
 <211> 258
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E7

<400> 25599

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ggcagcttcc tcggcgccgc cgggcgccgc cgggaccggg ttcactacag gttccccgct 180
gccgcggagc ttccggccgg agccggagcc ggacctatcc tggctccgg cgctgacgac 240
caccccgcca ggaacctt                                     258

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<210> 25600

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E8

<400> 25600

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atggaagctc tcaagtctcc cctgatggga ttgtttgaga agcgaagagc tgggaaattc 120
ttcctttatg tccaagatta taaggaaaat gacccaagta ctcataaggg ttacaacctt 180
actaaactaa cgacaaaaga acttatctca aaatatggtt tggatgataa tacgatagac 240
ttcattgggc atgcagtggc tcttcataga gatgatagct acttgacaga acctgcaatt 300
gacactgtaa aacggatgaa gctttatgca gaatcagtgg ctgcgtttca aggaggatca 360
ccatatattt atcccttgta tggttt                                     386

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<210> 25601

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E9

<400> 25601

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cccacgcgtt cgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
gaaggaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

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aaaaaaaaa aaaaaaaaaa aactaaaaaa aaaaaacaaa aaaaaataat tatgaaaaac 180
 atatatttta aaaaaataat ataagacaac ataagacata atattt 226

<210> 25602
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F1

<400> 25602

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 catgacggcg ttcgtgttct tcacctgcct ggtggcgctca tcggggcgcc tcattctcgg 180
 gtacgacatc ggcattctcg gcggtgtcac gtccatggcg tcgttctca aggagttctt 240
 cccttccgtg tacgccaagg cggcgggcga caaggacacg aaccagtact gcaagttcga 300
 cagccagctg ctgacgctgt tcacgtcgtc gctgtacctg gcggcgctgg cgacgtcggt 360
 cgtggc 366

<210> 25603
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F10

<400> 25603

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 ggaaaggtaa tggagtcgtc acgcatgttc cagccggcca tcattctgct tctcctgctc 120
 attgtgacca ccgatgtggc gcaggcgggc agggaatgcg agaaggacag cgagcgattc 180
 cttggggcat gcatggcgtc ggacaactgc gccaacgtgt gccgcggtga gggcttctcc 240
 ggcggcatgt gcagcacctt ccgccgcgc tgcattctgca ctaagccgtg ctaaattaac 300
 ctactcccgg cagttcgatg gtggacgttt attctattta ttggcttact tgattttttt 360
 tcccctaaca ataagaaaac gcacgtgctg gcatgtacgt tgcgttgat atgcttttct 420
 tgc 423

<210> 25604
 <211> 311
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-F11

 <400> 25604

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 ttctgggttg tggtgcgcat gcggtagtgg agttgggtgcc tgctgatgat aatatcgccg 180
 ccgccgctgc tggcacggcg gtggacgatg gcgagccgcc tcagcagtgc gcgaccccg 240
 tgagcgtgta ggatgcgtgc cgcggcgcgt tcgagacgca cgccggcgtg gcctacgacc 300
 actgcatggc g 311

<210> 25605
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-F12

 <400> 25605

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 tggacgctcg acaccaaggc cccactcaag taccctctt gcacccgctt tgctgtcaag 120
 tctggcggct accgcatcgn cgacgacgtc atccccgccg atttcaaggc tggcacaacc 180
 tattagacca cactcaacat tctaataaac ctctcatgat gaaatatatt tcaaaagaac 240
 tcaactaacg catgtgttac aagacaatat tttttttca atggcttttt ttggcaccag 300
 accaccaag aaataagtta tgctacatgt ctcttctgac cccttggtgt gttgggttga 360
 tattattaca taaactaaat acattattta ttttaagattt taggagaaat atgttgatct 420
 gatccac 427

<210> 25606
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F3

<400> 25606

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gcgggttga ggcgggtggc ggaggcggcg gcggctattc caccgccagc gaggcggcgc 180
catccacgcc tgcgctggg gagacgacta ccccttcgtc aggcggcggt tactccactc 240
ctagcgtggc ggcgccatcc acgcctgccg ctgaggagac gacgacgact ccttcgtcaa 300
gcggcggggg ttacggcggt gcaaccggca 330

<210> 25607

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-F5

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gaaattccct tgaattcagg gtccgaaagg aatatgtttt ccgaaattga cgttgtttaa 180
tataaattat agcatttttg ttttaaaaat attaaattta tttgattttg acgtaaaatg 240
cctgaaattt cggaatttcc tgcttttctg tggagccaat ttttttcctt ttcagaaact 300
gtgaaccctg cctcacttag gtgctctagc cttcgccgnc ggaatccatc cagattataa 360
gtgttcccga tctcgctatc ttacctatg ttttaccac ttaaaagaaa ctatt 415

<210> 25608

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D9

<400> 25608

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cggtctggcgc tgccgtcacc agaggtggct gttccgtcca ccgtggcgcg gattggggaa 120
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 tggcggctgg cacttcgtcg ttaatccctg aacaaagaca gaactcccga aatcaacttt 240
 cccgccagtt ttgcagccta aacatcaagc gcgccattgt ttggcgccat tttctctcgc 300
 agcctcaacc tgatcaaccc gttgctgctg ctcccatcca tccccgtgct gcagcttgca 360
 tcaccttccc gtgtgctgatt catgagagcc cacagccact gtctctgagc gagcattgta 420
 tg 422

<210> 25609
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C12

<400> 25609

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 caacgacctc cccgactacg tcatccaggg ccgctgtctac tgcgacacct gccgcgccgg 240
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 cttcggcacc ggcaagctcg agcgtcccat cgacgggggtg accgacgcga acggcacgta 360
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 cc 422

<210> 25610
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C4

<400> 25610

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tcattgtcatt gtactgtcgg caacaaatct agctgatgtt tctgacccg cccttaatcg 180
 cactggcaga tttgaccgtc tcgttatgct ttaagctcct gatagggttg gaaaagaatc 240
 aattctaaaa attcatgtca aaagaagata gcttccactg aataaacatg tacatctaata 300
 caatatagct gcaatgacaa c 321

<210> 25611
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C5

<400> 25611

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 acagccacca ctcccatctt ggtcttgccg ccagtcgccc tcggacctcg gccatcgacc 180
 ccttgcccgc ttgccgagac gccgagtaag cgtcgaccgt cgtcgctgtc gtcaccgagg 240
 tccagcgcgc aacagcccag cttcaagcct ccagccatcg gcgcccgcgc tcctccgccc 300
 agacgccgag tgccaagcgc ccaagcacc cagtccccag cgcccaacag gctaacaggc 360
 tgcaggtatg caacctcttg tgatgcg 387

<210> 25612
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C6

<400> 25612

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 tcctgaacag caaccaacga tccttggtga aaacctatac ccactgattg agcaactgga 180
 accaaaccaa gcggcaaagg tcaactggaat gcttttggag attgatcaca ctgaagcact 240
 tcaactgctt gagtaccctg atgccctcaa gtcaaaggta gctgacgcga tagatgttct 300
 acacaatgcg tcccatcagc aaaacgcaaa cacttggacc agtcagcttg ctacattatc 360

ac

362

<210> 25613
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C7

<400> 25613

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accgacgcct ccccgccgc gcccgccgc accgaccagg tcatgtcgga ggtgtacctc 180
ggccggcaga tctgcaacgt ggtggcgctg gagggcgccg agcgcacgga gcgccacgag 240
acgtggggc agtggcgag ccgcctcggc ggctccgggt tcgcgccgt gcacctgggc 300
tccaatgcct acaagcaggc gagcacgctg ctggcgctct tcgccggcg cgacgggtac 360
agggaggagg ag 372

<210> 25614
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C8

<400> 25614

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aaaagagatt ggctggattt acggatcgat cacagaggat atcttgactg gatttaagat 180
gcactgccat ggctggcggt ctatttactg catcccgaag cggcctgcat tcaaaggttc 240
tgcgcctctg aacctttccg accgtcttca ccaggctcct cgctggggccc ttgggtccgt 300
cgaaattttc ttcagcaagc actgtccact ttggtactga tacggcgccg ggctaaaatt 360
cctggaaagg atttcttata tcaac 385

<210> 25615
<211> 428
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C9

<400> 25615

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tgtccacaag catatgccaa tgacatggac tcctcagaag aggatgaatt ggatgacaat 180
ttgaatgata tttttggcct taatgatgat ggcattactt cgtctgtttc tgcctccagg 240
gaccagctaa agtataacct catatcttgc aaacaaatgg ttggtatatt tgtcacagtc 300
tgggcaaaga aagaattaat gcagcatatt ggacatttga gaacgtcctg tgttggtcgc 360
ggaataatgg gatatcttgg aaataaggga tgtatatcag taagcatgac actataccag 420
acaagctt 428

<210> 25616

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D1

<400> 25616

aaaataaaaa aataaaaagg tagaattaaa aaaaaataaa gcaaaaaaaa aaaaaataaa 60
aaaaataaaa aaaaaaaaaa aaaaaaaca tcaatattta aaaaatccaa attaataaac 120
aattacaaat aaatatataa atataatata aaacaacata aatacaataa 170

<210> 25617

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D10

<400> 25617

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cgttcggcgc catggccaag aagggcgagg aggagaagct gcgcaaggcg ggcatcatcg 180

acatgcagtt ccgaagggtt aagtgcaagt acgactccaa ggtcaccttc caccttgaaa 240
 aggggtgctg cccaactac ctggcgctgc tggtaagta cgtcgatggc gacggtgaca 300
 ttgtggcagt ggacgtcaag gagaagggtc ctgacacgta cgagccccta aagcactcct 360
 ggggcgccat ctggaggaag gacagcgaca aaccgcttaa gggacccc 408

<210> 25618

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D11

<400> 25618

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 caaaaggagg ggagatgtga gacaaaggac aggagcgcct agcaaatcaa aaggagctgg 180
 aaaacgaacc acgggaaggc aggatgatgg aaagggacaa tcgtcttcct aagcggttcg 240
 taaccgagaa acgaattatt gaggtgacct aaaaataaaa ttggggccgg ccccttgggt 300
 ctgaatcg 308

<210> 25619

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D12

<400> 25619

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 tcatggttgg atgaatgggg gtgtcgggct atgcgcggtt gacgtcctca tcggagcaaa 120
 ccccttcacc gttggttgcc tcgtgccgtg gcctgggaag tcgatgactg ctcatcatgg 180
 taggaggccc cgaccgaccg tgcaaccgtg tgccgacgct gtggctgtgc gccaatgaaa 240
 tcacgagcga ggtcacgagt catctgaaga gcaagttggt acctggaatc tcaagtgcc 300
 ggtcaagaac aggtaccaca ggatgaggcg cttggaggat gctgtgatga gttcgtgagt 360
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<210> 25620
 <211> 391
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-D2

 <400> 25620

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 aacattcaca tgaacttact tcagctacta ataatacaag gcgacggtag atatagagag 180
 catcttctgc tagtctggtt gtaaataaac gatcttgaaa cgctgtcttg agccgctata 240
 cttttgtttt tccttctttg tgcggagcag gtgcgtgcag ctcagctgag ctcagcagag 300
 cggcaggggc gcgccgttcc actccttgag gcactcgagc agcgggtcga tgtgcttgcy 360
 ctggttgatg gccacgagca cctttgtgag c 391

<210> 25621
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-D3

 <400> 25621

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 catgaggaag tcagggccga tggccctgaa gatgacggtg agagcagtaa cagagcgtgg 180
 gcccttgttc cttggttcag tgggctattc tcaacacctg aaccacaaac tgtcagaggc 240
 gctttcactg atcagcagac tcgctccact tctggaacca acctgaatgc tggcgaaagc 300
 tgatctcttc ctctttgtg aataattccc ctacatctga gaatagcaat ggaccttgct 360
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<210> 25622
 <211> 399
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D4

<400> 25622

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gggtectccggttgccgggtgagcggcccggtctgcctcctccggttgcgagttccgg 180

atcccgcta gctgttacggcgcccgctgcgcctttgtttgcggttgccgcgcgggctgc 240

tgatccggcgtgtacaaccaggaggctcggaatccctg gcaggtctgggcgtgatagc 300

ttcgaccatc ggtcgggaa tccgtccgtggttcaggcgcttaacggtcgccttcggca 360

ggcggagcatggccctcagattgggagcgtcagctcgc 399

<210> 25623

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D5

<400> 25623

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taatgatgctcataaaatgtcatgtaacgtacgtatttgtgtgtg 105

<210> 25624

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D6

<400> 25624

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gcatatcccc ttctccgtcc tccgcctgcgccatgtcttcgccttcgc cctcgccgc 120

ggcgccggcggaagaggagg gccggggcgcc gaccaagtacgtgctgatca cggggggcgt 180

cgtcagcggcctcggaagg gcgtcaccgc cagcagcatcggcgtcgtcc tcaaggcctg 240

cgggctccgcgtcacttgca tcaagatcga tccatacttg aacacagatgctggtacaat 300

gtcccccttt gagcatggcg aggtgtttgt tcttgatgat ggtggagagg ttgacttgga 360
 tttggggaat tatgagcgtt tcatagatgt tactctgaca aggataacaa ca 412

<210> 25625
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-D8

<400> 25625

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 gcggcgggcg cgcagcaggc tctgatcgac gcggacctgc gggagctcgg cgtcgccgcg 180
 cggaagctcg ccaaccacgc attcgtcctc ggcgggcggc tgggggttcgg cacctccttc 240
 ctcaaattggc tggccttcct cgccgcagtg tatctcttga tattggatcg cacaaattgg 300
 aagaccaaca tgctgacagc tctcttgggt ccttacattt tcttcaccct gcctaattgtg 360
 cntgtttctc tgatcagagg agaggtgggg aaatggattg cgattattgg ctgtattctg 420
 c 421

<210> 25626
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C11

<400> 25626

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 gccgtgctaa attaacctac tcccggcagt tcgatggtgg acgtttattc tatttattgg 180
 cttacttgat tttttttccc ctaacaataa gaaaacgcac gtgctggcat gtacgttgtg 240
 ttgtatatgc ttttcttgct ggcttcattt gctgattact gatgagttgt aaggctccctg 300
 cacgatccat ttcacatgga tatgatgctt aattgtattc ctgcttatat ggtatctata 360
 ttttaattaat taatgatgga ccatcgagtt tattttgtat ttttgacata ttcg 414

<210> 25627
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A6

 <400> 25627

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atgtcgtgga gggcaggtcc atggcgctccg ccgacgcgcc tgaggcggcg gctgacgcgc 180
ccgctcccgg tcccgactcc gcctcatccc cggactcgcc gtcggaggcg cccctccagca 240
gcagctcatc cgactagccg cgcacaacgc agttcttgtc atgatctatc tagcaaataa 300
aaagatcata tgtctcgttt gattctctgg aataactaat agtatatatg ctgcgcccgg 360
atgatatata aatatgtgca tcaaatgcgt gcggcaaacg catggaatgt g 411
  
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<210> 25628
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A8

 <400> 25628

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gactcttccg agtcctagaa ctgtgtcaac catcatataa agtagttgct tcttcatgtc 180
agatagtcta tttgattttg tattgatgtg gacatatata tgcttgacat tgtgattatt 240
tgctaaaaaa aaataaaaaa aaaaaaaact ataaaaaaa aaagaaataa aatgaaaaaa 300
aaataagaaa ataataacaa aatggaacca aaaaaaaaa caaaaaacga aaaagaccgg 360
gaaaataaaa aaagggggcg ccccttttaa agg 393
  
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<210> 25629
 <211> 289
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A9

<400> 25629

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ggtagcgcga gcgcgcggca cctcggggcg gaggatgcta ccccgtcgcc tgggcaggca 120
gccccggcgc acaagcacga gcgcgggtccc cagcagcgtg ctggctcgtg gccacggcgc 180
gagtgcgctg ccatggctgg gcgaccaggc atcagcgcaa gcacatccca actcgggtta 240
cgccatggca ggggctgcgc ccaccgtcgc tgttcacttg gacgcaaac 289

<210> 25630

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B10

<400> 25630

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cgacgccatc gtccccaaca gcaagcgacg gcgccaccgg tcgccgcccg ccgcttcac 120
ctcctcctcg cacagcagca gcaccacaca gaaagaggaa ctggaagacg aggaggagga 180
catggccaaa tgctcatcc tctcgtccca gggccccgcc gccattgagg cagctagagt 240
aatgccggca ccccgtagca ggccaaagag cacgggggagc cgcaggttct tggccgccgc 300
cgaggccaga ggtggtgtgt gcgtgtcgta cgagtgaag acgtgcaaca ggtgcttacc 360
ctccttcag gccctcggcg gccaccgcac cagccacaac aagcatccgc gacggccagc 420
a 421

<210> 25631

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-B11

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cggccacgcg tccgcccacg cgttcgcccc cgcgtccgga cagggcgagg aaatggaata 120
 agacggctat tccaatccta atcgggacaa agttcgatga ctttgcccag ctctctcttg 180
 aaatgcaatg gaccattgtt aaccaggcca gagcatagc aagagcgatg aaggcgaccc 240
 tcttcttctc gagcgcgacg cacaacatca acgtgaacaa gatcttcaag ttcacacgg 300
 ccaagttctt cgacctgccg tggacgggtg agcgcaacct caccatcggc gagcccatca 360
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<210> 25632
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B12

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 aaatcttttg aaatgatgct gttatctaag ccaatcaagg gcggtgaggc acaccaactg 180
 ggtctgggtg atgccttagt ttctcctaata gatttggtga atactgctcg tcaatgggct 240
 ttggatatat atgaatgtag gaggccctgg atcaaaagcc ttataagac tgacaagcta 300
 gaacctcttg gggaggctag ggaaattctg aagtttgcaa gagctcaagc tcaaaagcag 360
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<210> 25633
 <211> 407
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B2

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 ccgctgccat agtcggccac gacggcgccg tttgggcccc gagcaccgca tccccacagt 180
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cgaccggcct cttcctcggc cccaccaagt acatgggtcat ccaaggcgag cccggcgctg 300
 tcatccgagg gaagaaggga totggaggca taactgtgaa gaagacaggg caagcgatgg 360
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<210> 25634
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B3

<400> 25634

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 aatgggactt tgaaaatgct catgagattg tccttgaagc acctaacaat gttaatgact 240
 ggtaccctat agatttttctc gtatttcac cttacaagga gattgtcttc ttttccttat 300
 catggaagac aatatcttat aatttgaata ccacaaaggt tgcacagctg ggctgcgcag 360
 ctcatatacc ggtgggcata aaaaccttgt tttcatacac 400

<210> 25635
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B4

<400> 25635

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 gttgttgaga agtccactgt ccctgtcaag accgctgagg ctattgagaa gatcttgacc 180
 cacaacagca agggcatcaa ctaccagatc ctttccaacc cagagtctct tgccgagggc 240
 actgccattg aggacctgtt caagcctgac agagtgttta tcgggtggccg ggagaccctc 300
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<210> 25636

<211> 380
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-B5

 <400> 25636

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 gttagctagg tgagaatagt gcagtggagc tcaacaggcc agcgataagc aattaatgga 180
 ggtagaggct tgctacaact atggcttcct acctgcagac agaggcaggc accaaccacc 240
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 cttcccttgc ccccttttgc acatcgaggt ggaggtgccc ttcattctga accaccttca 360
 ggaagaacat tgctttgaca 380

<210> 25637
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 25637

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<210> 25638
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-B7

<400> 25638

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gtgccggagc cctcggcggt cgtgctcatc atctcagcct ggaactaccc tttcatactc 180

tctatcgacc cagtcattgg agcaatcgct gctggaaatg ctgttggtct gaagccatca 240

gaaatagcgc cagctacctc gtcactgtta gcaaagctgc taccgagta tgttgacaac 300

tcttgcatta aagttgtgga gggaagcgtt ccagaaacaa ccgcactctt ggaacagaga 360

tgggataaga tcttctacac aggtaatgga act 393

<210> 25639

<211> 353

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B8

<400> 25639

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caagctcatc aaaggcacgg acgcctccgg cgtggggcgc gacagcatgg agtgcgtgta 180

cacgggtgtc atccggacgg ggtcgatctt gaaggccggg acggacgcga acgtcacgct 240

ggagctggcc gccgcggacg gcaacggcgt ggggatctcg aacctgccc cctggggcgg 300

gtcatgggg cagggctact cctacttoga gcgcagcaac ctggacatct tca 353

<210> 25640

<211> 325

<212> DNA

<213> Zea mays

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<400> 25640

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cttctgacac cattgacaac gtcaaggcca agatccagga caaggagggc atccccccgg 180

accagcagcg gctcatcttt gctggcaagc agctcgagga cgggcgcaca cttgccgact 240
acaacatcca gaaggagagc accctccacc ttgttctccg cctcagggga ggcattgcaga 300
tcttcgtcaa gaccctcact ggaaa 325

<210> 25641
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C1

<400> 25641

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<210> 25642
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C10

<400> 25642

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tactacctta atcgtcatat tatcctgact attctatacc tcttctgata ctttcgctta 180
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ctt 303

<210> 25643
<211> 372

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A5

 <400> 25643

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 ttcgtgtggc ggatcatcct gatgctgggc gcgatgcccg cggcgctcac ctactactgg 180
 cgcaccaaga tgcccagac ggcgcggtac acggcgctgg ttgccaagaa cgccaagcag 240
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<210> 25644
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G5

<400> 25644

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 cgccgacgag caccctaaga tcgcctcgtt cggggacctg ggggacgccg tgttcggcgc 360
 gcacggggcg ttccgctgg acgtgatgct ggtgctcag 399

<210> 25645
 <211> 407
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G6

<400> 25645

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 cgagaagccc atggacctga aaaagggcgt gaaccacgtc gccgtcttgg cgtcgacgat 180
 gggaatgatg gacagtggcg cttacctgga gcaccgtctg gccggcgctcg acagggtgca 240
 gatcaagggc ctcaacgcgg gcacgctgga cctgacgaat aacggctggg gccacatcgt 300
 cggcctcgtc ggcgagcaga agcagatcta caccgataag ggcattgggca gcgtcacatg 360
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<210> 25646

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G7

<400> 25646

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 gttcgagcag ctgctgccgg cggcgctcga ggacaagaag tgcgctgtgc tagggacgtc 180
 gacgtcgtcg tcgttctgac cgtgctacgt actgggtcaat cactaccgcc accatttgca 240
 tgcatacatg cgtgagtgcg tgcgtgcgtg gatgcaaaat aatacacgtg tgcattggcg 300
 tgtgctaggg acctactagc tccgtctgga tgccttttgt gtgtctacta cgtagggtcg 360
 tcgaccttgt acggtggcat tggcatgcat gctgttgga 400

<210> 25647

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G8

<400> 25647

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 tcgtgaaggt ggaggggagg agatggcggc agcggatggg cgcagcggcg acttccgggt 180

caggggtggc agcggttgggg gtcggatcga ccgactgggtg gtggagaact tcaagtcgta 240
 caagggtgag cagacgattg ggcctttcgt cgacttcaca gccatcatcg gccctaacgg 300
 cgccggcaag tccaacctga tggacgccat cagcttcgtg ctgggcgtgc gctcaacgca 360
 ccttcgagggc gcgcagctca aggacctcat ttacgccctc gacgaccgc 409

<210> 25648
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H1

<400> 25648

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 ctagcaacct gactgatgcg tttgacgagt acttcatgaa gtctgccttc gggtgagact 180
 ttgcacatta ttgtttcaaa gaacggtact atgctctatt gagccagagt tgtaactact 240
 agcgagattg catcacaat accctgtgaa ttgggtggct catgctacag gccatggtgg 300
 agtgtcacgt acaaagctag actctgcgtg atttgctacc ttaac 345

<210> 25649
 <211> 393
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-049-Q1-K1-H2

<400> 25649

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 tactgccaac ggcgcctcca aggtcacctg caaggatgtc accttcaaga acatcacggg 120
 cacctnctgc accccggagg ccgttagcct gctctgcact gccaaaggtcc catgcacggg 180
 cgtcaccatg gatgacgtca acgtcgagta tagcggcacc aacaacaaga ccatggctat 240
 atgcacgaac gccaaaggga gcaccaatgg ttgcctaaag agcttgcatg cttctagacc 300
 ctncatcgac tgacccatct ctctagttat aatttttctc tcgtcaaaaa aaaaaaagca 360

acttttaaagc ttcgccatta aaggacctta tat

393

<210> 25650
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H3

<400> 25650

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gggccaaatc aagacgggag ctcccttgccg gtctgagcgc ctggccaaat acaaccagct 180
gctcaggatc gaggaagagc tcggtgatgc cgcggtctac gccggagcaa agttcagggc 240
accagtggag ccctactaag aaaggaagag gatggggatg ttttcttggt gagctatact 300
agctcgctgc tgccttttgt tacaatgttt gtacggtcgc aataaatgta tggtcgtgtt 360
tgctcgagag ctactcaggt gattttgtcg tgggagcacc aaaag 405

<210> 25651
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H5

<400> 25651

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taacatctcc tcgaacgcca ggatccttgg accactatat ccaggagcga cgaagtgatc 120
caccgcagcag cacatggaga tgaagaaggt cctgtgcgcc ggccctcgacg acgccgcctg 180
ggccaccgcc gtgctggcct cggtcgcctc cgaggcgccc tccgaggcgc ccgccggggc 240
ggacggtggt gctgctggcc ctagecgaag cggcgccctgc gtcgtcgtcg agcccgccctc 300
gctggcgctc gtcgcctgct tactcgcccta ctacctccac tgagcgacta cgcgcgggtgc 360
ggtaacgagc ggatgcatcg agtttg 386

<210> 25652
<211> 411
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H6

<400> 25652

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tgatccaaag gatgctggag atttccttgc atacctgcgg aaatcttcaa agggtggtgg 180

tttctggttc tcagagtcta agatcaagaa aggtggagtt ttggcacact tgaaaccaat 240

tgctgatgaa aatgatttct gtagctgcct aacatcgat tttgggccag aagttagtcg 300

gatcaggagt gcaattgaca gtaaagtcaa gaatatcctg gaggatctgc taagctttgt 360

ggagtcacat aattcaacca caaggctgaa ggaattggtg ccataccttc a 411

<210> 25653

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H7

<400> 25653

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attaaaatgt tattataact taatacatTT ttgttggaac aattgtacaa tgttctggat 120

atttcctcaa agatttttga ggcattgtta tgtgggttaca tcacttgtat tttattctta 180

tgtactgtaa gtgagctaga aatctgtgaa gatctcaatt agatactcat ttcccttctt 240

catgtagtca tgtttttttg tttagacgat gcagtttcta ttggctcttg atattacctc 300

atcagagttt tttttctgcg ctattgcagt aactctattt cttgatcaac atcaacatgt 360

cgcgaggagga taatgtttac atggccaagc tggctg 396

<210> 25654

<211> 178

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H8

<400> 25654

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agctcggttg aactttggtt tactcgatca ataaccacgt gaacacgctg agtctcgag 120
catacactag ccggtccgtg agctggtcac cgtgcaggta gaacttctaa cacgccgt 178

<210> 25655
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A1

<400> 25655

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gggtggccacg atgacgacta ataagcccct tctcctcctc gccttggcgt ccgcgctcct 120
tggtgcggcg ccggccgcgc cgaacgcgcc cggcggggcg ttcagcaact ggggtggcgat 180
gaaccagcag agctacgcgc tgtacgcgca gaagtccgtc ggggacgggg gcaaggagcc 240
cctggacaag aagctgtcgg aggcggagaa gaagaaggtc acgtacgtgg tggaccccag 300
cggcaagggc gactacacca acatcaccgc ggcgctggag gatatcccgg tgagcaacac 360
caagcgcgtg atcct 375

<210> 25656
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A10

<400> 25656

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gaacgtgagc agacattaaa ccaattgctc acggaaatgg atggctttga taccaactcg 120
gctgtcattg tactgggggc aacaaatcga gctgatgttt tggatcctgc ccttaggcgc 180
cctgggagat ttgaccgtgt ggttatggtt gaagctcctg atcagtttgg aagagaatca 240
attctaaaag ttcatgtgaa aagaagagag cttccactga gtacagatgt agatctagcc 300
aatattgctg caatgacaac tggttttacc ggagcagacc ttgcaaactt ggtaaacgaa 360
gctgctttgt tggctgggcg attaaactaa gaaatagtgg aaaaggttga ct 412

<210> 25657
 <211> 336
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-A11

 <400> 25657

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gaagcccggc cctccgcag cgaagctcgc gtcgcgtcc ttctcggcg tcatcatcct  120
cctcgccgcc gacgcctccc ttaccggcgc cggcgcgcac cgncgntgc ggcagcagta  180
cctgcattac gtccggcttg gcgttggcgt tggcgttga ggcggaggca tcaccgactc  240
gctctcgtgg ctctccgtgc cggaccgccc caacttcacc gacgacctac tcgcgcggtg  300
gctcgcgccc ggggggttccc cgtgccggga cgcgcg                               336
  
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<210> 25658
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A2

 <400> 25658

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cgcggctctc ctctgccccg caccggcacc gctagggttt tgccgccgac ctctcgggtg   60
cttccggggt ccgcgaggca accgtccgga ccggccgggtc gaaatggtgg atgtggagga  120
ggtcgggaac aagatgcaat cgcagatgcg cctgcacgcg gagccggatg acgccgccgc  180
cgacctcccc ctcccggcgc tcttcgacag ggcgtcgcgg cttcacgccc tggcctccag  240
ctccgccttc gaccaggatg ggatccgcac cgggggttag ctgctgcggc gctgcgacga  300
gatggtcggc aggctcggtc ttttctcccc caacgag                               337
  
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<210> 25659
 <211> 359
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A3

 <400> 25659

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 cttctttaac tatgaaacat gatgcaagga gagattattht tgagcatgct gccatcagat 120
 tgagatgatt gatacaccta atgacgagtc ttctttctat tcgtctgtgg aatactgtgg 180
 agtaaaaaaa gttccaaatc gccttattgg caagaagttt tgtggagtta aaaaaaggtt 240
 tcgtcgtctt actcgcagga aaccttgtga agttaaaaaa aaaatgtttg acgaaacgca 300
 tacggatgcc attccggaca ttctgtcaca ggcacaaggc tggatagtcg atgagctct 359

<210> 25660
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-A4
 <400> 25660

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 tgctggaccg gctacgcgaa aacgacagcg aggaatctgc catgtaccgg ggcaccatca 180
 ggcgccatgt ggacttggag actctgcggc gtcggctgaa cgcgtcggcc ggctcgcgcg 240
 ccgacgatga cagccactcc tctgcgcacg agctctatcg cgacctgctg ctgctctgca 300
 ccaacatcgt ggtcttcttc ccgggtggca cccccgagaa c 341

<210> 25661
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-G3
 <400> 25661

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 gcggccgggg acagcgcgcg ctaccagagg tcctcctcct tcggggacga tgctcgtcgtc 180
 gtcgctgcct acaggacgcc gatatgcaag gccaaagcgag gaggttcaa ggacacctac 240
 ccagaggacc tcctcactgt tgttctcaag gctgatctgg acaacactag aatcaatcca 300

gctgacatcg gtgacatcgt cgatgggacg gtgctcggcc ctgggttccca gcgtgcaaac 360
gagtgcagga tggctgcgtt gtttgctggc ttccctgaaa ccg 403

<210> 25662
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E2

<400> 25662

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gccggtcgtc gatcgaggaa ccaagctgct gctgctgcta ccggacgaca ccaaccatga 120
tacggaggac gacggtgtgc ctaggcctgc tgcttctact actggcgggc tcgactgcga 180
cggcacattt ctcgatcggc gacgtggact agtacttgaa caggcgcacg caggagtccc 240
gccacaggaa ccacggcggc gcgcagatca atgacctcat ctacagtgtc gcgcgctttc 300
acgccaacgt ggatgcacgc gcgtatggc gccgctccaa cctgcagctg caggaagaag 360
aagcagcagc taccgcggtg cgtgtaacca aagcagaaga acag 404

<210> 25663
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E3

<400> 25663

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ggcagacacc atggggagct cgaggaccat cgttgctgcc gccctgctcc tcttcgccct 180
cctcctcctg gctttcgcgg gcaccgtcga ggcccgcggt gaccccgagc tgtttgccga 240
ggaccaattc cagcggacat gcaaccaggt gcacttgagg aagatgtgcc agagcttgac 300
gaggctcccg agggtgacaa cgccgcgcga actgctgcta gcgtcgatgc gcgtcgcggc 360
cgacaaggcc aatgaggcca agagccgggt ggaccagttc g 401

<210> 25664
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E4

<400> 25664

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aggccgacct ctacacgggt cgacataacc attgagaggg cggtcgagag aaactagagc 120
tgccgacacc atggggagct ctaggaccat tgttgcgacc accgtgctcc tactcggcct 180
cgtactactg gctttcgcag acaccgacaa cgctcgtgtt gttgcagaac tgtttggtta 240
ggaccaagtt cagtagacat gcatccaggt gcacttcagg aagaaatgcc tgagcttgac 300
aaggctcccg agggtgacag ctctgcgcga actgct 336

<210> 25665
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E5

<400> 25665

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catgaagcac tgatccgtgt gttgccctac gagttggcaa gaagaaactt cagacgagcg 120
tgaagaagag atctgtgaac ctcatctggc acgaggagct aactctgac gtgacatata 180
ccaacctata tctgaagctg taggtgttag acaaggacac gttcatcagg gacgacccga 240
tggtgacga tgataatgac gtggcgacaca ttgtggaagc agcgatcgcg agcacagacg 300
cgtgcctgag gaacgggacc atcatgctga acgggcagcc gatcgccacg aactgcc 357

<210> 25666
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E6

<400> 25666

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catgaacttc aggcggaaga gcacaattgg ttggagcgtt ggcaatatat tacttgatct 120
cacaggaggg gtgctgaatt tttgtcagat ggggtgtgcag tctatagatc aacatacttt 180
ggatgaatttc tatggaaaca ttgtgaaaac ctttctttca ttggagacgg ttttctttga 240
tgtcctgatac attatccaac actacgtgtt gtaccctgtc tagaaggacg agaatggtaa 300
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<210> 25667
<211> 400
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-049-Q1-K1-F1

<400> 25667

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gggtctgcga gagggggcgc agggggctgg ctccccggcg agcgggtggcg gcgggtcatc 180
ttcctcgtc tgggcgccgt ctcgcttcctc atctcactca tactcctctt cctatccgcg 240
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cgccgcgggc ccggcgagcc gccctgcctg gcgtacctgc tgaccggcgc gcgcggcgac 360
gggcgcgcnc tntcaggct cctnctcgcg gtttaccacc 400

<210> 25668
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F2

<400> 25668

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ctagcaactg gtctagcaag tttcagttgt ctacatcaag tctgccttcg tgtgagattt 180
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caagattgca tcacaaatgc cctgtgcatt tggtttttca gagctagcga ccatgttcca 300
atgtcacgta caaatataaa ctatgtggta tttgctacct taactcgtat tgctatgtat 360
tcaagacatg cgttaactgt ggctatcgtg atatatacag catg 404

<210> 25669
<211> 402
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-049-Q1-K1-F3
<400> 25669

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ctctgttata gtgggcaagg tcaccagacc gattacttca tcaagatata tgtcttgcatt 180
tggctagctc ctttgtcctc ttgaggttgc ttcatttcct tcttcctaag cttaatgcat 240
gtatgaagca agcctggagg atgcgactgt atgaattgaa taggttggtt cctagcttgt 300
cttgaggaag gcaatatgga actagaaaac ttcaactgac tctcgaataa ggcagcatac 360
ttataacaag tgatgcagac aacaaaccgg atcactagga ag 402

<210> 25670
<211> 283
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-049-Q1-K1-F4
<400> 25670

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actggctgat tgtatgggac ctcttcagag cattcctttc tccaagggtc ttaaaaaaag 180
tgactaacca tatgttttca gtgtaattat gaataggtat aggaaacttt ggcttttgaa 240
tggaaaaact ttctcatgac acaacgaatg gaaataaaaag gtg 283

<210> 25671
<211> 386
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F5

<400> 25671

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ctgcctggct gagacgatgg ccggaggcgg ggaccactcc cacaccaacg gaggccacgt 180

cgaccagagg gccttggacg agggcatgaa ggaggagttc gctgaccagg gctgcgtgca 240

catggtcgtc ttcgacctat gctatccaga agatcatcac tgacagcttc ggcacctact 300

tcttgatgtt cgccgagcgc cgtgcggtga cgatcaacgc gagcaagaac ggccagaaca 360

cgtacccagt cgtggagatc atgtgg 386

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<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F6

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tggttcattt gatgggacct gttgggggca ttcctcttcc gaaggctctc aaaaaatgtg 180

actagccata tgttttcagt ataattatga atagttatag gaagcttcgg ctttggaaatg 240

gagaacttct ctcatgacag aacgaatgga aataaagggt gggcgacgaa gctagaatcc 300

aaaagacttt agctggacat gttgacgaag ctcaagtatg ataacgactg aagaaggata 360

aagaccatac agtcataata attcttggtta aaatcataga tagt 404

<210> 25673

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F7

<400> 25673

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 tcgtcgttgt cgctgcccc gtgccgtgcc gtgaagctcc acctgtccat ggagaagtta 180
 ttatggcctc gccgcgttga accgggcgcc ggggctcggg aattcttcac cggagaccgc 240
 gaaccactg tcctccgtgg ccagcctctc cgctgactcc ttctctgcgt gaggtcacga 300
 gtcacctgat gagcaagttg gtacctggaa tctcaagtcc caggtcaaga acatgtacca 360
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<210> 25674
 <211> 230
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F8

<400> 25674

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 ttttttttgc agttggagta tgacaggtac taaactaatg cacaataaaa acaatgaatg 120
 cctctatgaa agacgagtaa tgacactgct ttgaaatggg cctgactgac gaaaaagaaa 180
 aaactgacgg tactttttta ggacactatt gaaagcacat gttctatgca 230

<210> 25675
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G1

<400> 25675

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 aaagaaccga gctgtgccat cggcgggtggg ctgcgttgtt tcgctgcccc agtgccgtgc 180
 cgtgaagctt cacctgtcca tggagaagtt attatggcct cgccgcgttg aaccggcgcc 240
 cggggctcgg gaattcttca ccggagaccg cgaaccact gtctccgtg gtcagcctct 300
 ccgctgactc cttctctgcg tgaggtcacg agtcacctga tgagcaagtt ggtacctgga 360

atctcaagtc ccagggtcaag aacatgtacc agagaatgaa gcgcttggag gatgcggtga 420
tgatttcgag ag 432

<210> 25676
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G2

<400> 25676

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agtaaagtta gactttctgag tagtgtcata tactccaatc ctaatccaag aagatgaatg 120
agatttgaag ttattgtttc tatatttctc agcgtagtag tagaaagtga tgaagatata 180
gtgcaaactt tgatatattc ttaaacattg tttggcacag ctagttcata tttcaccatg 240
ctgtattact aaagggtcaga tgttcctaag tatattgtat tcttatcagc gttctgctct 300
ggaagatata caaaagatga ttcgggagtt gcagcttgat gagaaccgga aaaggggaatt 360
ggcaactgcc cttcacgttc agttcaagga ttggttatac ggtaacgc 408

<210> 25677
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E1

<400> 25677

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cagtagtaca tatggagaag gcggcgggag tgagcgcggc gaggctggcc gtggcggcgg 120
cggcgggtgct gctgtgcctg ctgctgctgc tggcggcggg gccgcagggg gtctccggcg 180
ccgacgggag gaagaagacg gcatcgccct acgataagtt gatcagctgc aggggtgctgg 240
gcaactgcga caagaacaag ggcccggagg ccacccgccc cggaagccg gtcaacaagt 300
acacccgcgg ctgcagcaag atcgacaagt gccgcgactg atcaatcgtc atcaatgcag 360
gcagccggag ctatatatat cgtgtcgttc tcgtaccgtg tgca 404

<210> 25678

<211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C2

 <400> 25678

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 gcatatatat attcctgcc aagataaaggt aatggagtcg tcacgcaggt tccagccggc 120
 cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa ggggaatgcga 180
 gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcggtgag ggcttcttgg ccggcaggtg cagcaccttc cgccgccgct gcattctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctcgccatgc atcgacaacc tattcttaat 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatg 404

<210> 25679
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C3

 <400> 25679

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 caaggttccc ccgggtaaga acatcacggg caaatatgga agtgattggc tagatgccaa 180
 ggcgacatgg tatggcaagc cgacaggtgc tggccccgac gacaatgggtg gcgggtgccg 240
 gtacaaggac gtgaataagg cccctttcaa cagcatgggc gcgtgtggca acgtctccat 300
 cttcaaagac ggtctatgat gtggatcctg attggagatc aagtgcgaca agccatcata 360
 gtgctctggc aagcacgtgg tgggtgtacat tacggacatg aacta 405

<210> 25680
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C4

<400> 25680

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gcttgtagag attgctgccg cgattaacgt catgcacccg tggcccatga tcctgtgcgg 120

ccaccatgcc gtgctcccgga tctctccttg ccacggacac tgatggctca aattacgctc 180

agtcaccata aggatgatac cttactcctt ttactgtccc tgtcatttcc tccactgttg 240

agacccggca agggcaa 257

<210> 25681

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C5

<400> 25681

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ctgggtgcaaa agctgctgca tgtggaactc tttcggttct ttctcaatg tcaaataaag 120

tttacaatga ccaaggaact ccaccagcat tcacagttcc tgcagggtgt gagattcctt 180

ctggatccat tgaggacgcc ttgaagaaaa gtggatcaat cacatcctac actaatcttg 240

tagagaggat cgaaacagct catattgaaa atggtgaact tgatagccta tcctcgaagc 300

tacaagcaac tgtttcaact ctttctccat cggaagaaat cattgaatct ttgaagaaaa 360

catttgatca gaatgttoga ctaattgtga gatctactgc 400

<210> 25682

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C6

<400> 25682

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ggtcctgagt gcggcggcgt ctgcgggcag gcgccggggg cccaggatcc tgtgtggcca 120

cgaggcggat gtacgcgtga ctctcggca cggacacggc tggcgagat tccgggcagt 180

cacgggaagg atgatgctgg actcctctga ctgtgcctct gctgccgtcg acgcggagac 240

ggggcaggtg cagccgcagc gccgcgcggt gggggccgtg cccctggcgc acgacggcgg 300
 ctacgccagc ggcggatggg agagagaaga tggcgaactg agttgtggat actcaagttt 360
 tagaggcaag agagctacga tggaagattt ctatgatgta 400

<210> 25683
 <211> 401
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-C7
 <400> 25683

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 ttcgcgcagg gtcaactgca tcaacaggaa gatcacgaag ctccagcaga ctgctggctag 120
 ggttggtccg agggggctgt tcgccgtgaa gcagaagatg gaaatgtaca agcgcgagaa 180
 ggcggagctt tacgacgtga tcaacaaagg aatgcaggag aacgagaggg gcggcaacag 240
 cggtgctggg ccttcgaata gggctgctgc cggtccttct tcccatgaag ctgctgccag 300
 cagtccttcc aacactgcca tcccttccga cggtgctgat acatcaaagg acgatgatgc 360
 cagtccttac agcgttccct cttccaactg tgctgggtcct t 401

<210> 25684
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-C8
 <400> 25684

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 tgagcgcgtg aaggacacaa gagttgatgt tattgggctt gactggacag tggacatggc 120
 tgatggaagg aagcgccttg gtaatggaat tagtgtacaa gggaatgtgg atccagcatt 180
 tctgtttctca ccattaccag tactgactga tgaaattcgt agggttgtga aagcagctgg 240
 tacaaaaggt cacatactta acttgggcca cggtgtactt cagaaaacac ccgaagaagc 300
 tgtagcacat ttctttgatg tcacaaggag cttgagatat gacaccatt tccaaggttc 360
 tgttgctgaa ggattgcagc ctgtagcttg attcgtagt 399

<210> 25685
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-D1

 <400> 25685

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 agcgaggcgc gagaaccgag tagccaccgg ctgatcaccg tctatcagta tccctcgggg 120
 cgcgcgcgcg ctcgagacat gccaacgat cgccaggccg gcagccatgg ccaagcacgg 180
 aaagcgcagc cacgacgcgc aggcgacgct accactccag gacaacgagc ggcggcaagt 240
 acccggccat gacggataac ccgcagctgc tgagggccct cattccaag gagtacgtga 300
 ccgcagtgcc tgcagctgct gctgac 326

<210> 25686
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-D2

 <400> 25686

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 tgcaacttcg gatcggatgg atcatttatt tgaacatgtt tttggtttgg tcagagttag 120
 atcatcatga aaacatggag gtgacatata agtcagacag tcaccaccaa gatttgcaac 180
 gctttattcg tggatgggtc gtcgtggatg tttgcaaaca aaattccagc atatttctat 240
 ctttttagtat atccgaatag agtagatgga ttggatagag catggcactt gctttctgaa 300
 tctgaacacc gacttttggg agtgctcttc tgctcgatca ggtgggagga gtgaagttag 360
 ttggactcca gaccaagtcg ctcgaaatta ttgatataac aatt 404

<210> 25687
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-D3

<400> 25687

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aaatgacctg tgccagcagc agtagcagca gccggcgtgt gacgctggta ctgctcggtc 120

tccgcctgct gcttctggtt ggtgttgccg aggcggtagt ggagttggtg cctgctgatg 180

ataatatcgc cgccgccgct gctggcacgg cggaggacga tggcgagccg cctcagcagt 240

gcgcgacccc ggtgagcgtg gaggaggcgt gccgcggcgc gtacgagacg cacgccggcg 300

tggcctacga ccaactgatg gcgtcgctgg gcgccgaccc gcgcagcaag gaggccggca 360

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<210> 25688

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D4

<400> 25688

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aaatgacctg tgccagcggc agtatcaacc tacagagtat gacgctggta ctactagctg 120

cttcatctgc tgataatggg tgctgtcgcg taagtgggag cgtaattgct gcctgctgct 180

gatattattg ccgtcgctga tgctgacaca tcagctgatg atcgataacc gcctcagctg 240

tgatagacca tagtgag 257

<210> 25689

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D5

<400> 25689

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gtcaccgtcc gcacaactgac cgacatccac gagtcagcat gcgactacta gtacaggaca 120

tcctctcgat gatgctcatg ctacgggatt agcacaagac catgacgggtg gtgcatattg 180

acagtaatca gaagaacgtc catacatgac cctatctgcg ccagcactac taccgacgac 240

agagatgacg ctaattgaga acacacatgt cggatacaca ccaaggctac tacagaagac 300
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<210> 25690
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D6

<400> 25690

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 ccgggtggga cgacgagtcc gtcctcctca atgtgatggc cattgaggcc accctcgtct 180
 atgagtccca tcgcaagagg cgagcctcca cctgctccaa cgatgacgac accagatcca 240
 acaccaaata cggagataca gttgacagg ctcctctctt ccacgctgcg aaggtgactt 300
 gtgtacttag caatggtgca aatcatgccc atccacgaga tcttggcctc aacgctgatt 360
 gagaagatga cgttgcaaat atttcagact tgtagagccc tcga 404

<210> 25691
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D7

<400> 25691

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 gatgcggaca atggaaatga acttgataac catgaccaa caagctgaga agttacgtgt 180
 tgatgtggca aatgctgaaa gacgggcaca agcagctgcg gctcaagcag cagcacatgc 240
 agctggtgca caggtgacag cttcgcagcc tgggacagct caagctacca cggtttcagc 300
 agcagcagcc acagactcat atgcaggtgc atataccagc taccctcttg catatcagca 360
 gggagccag gctggggcat atcagcaggg tgctc 395

<210> 25692

<211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-D8

 <400> 25692

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 aaacttagat acgctgaagc catatacttt cttgggacag attttatcaa cagagattca 120
 tggatcctgt ccataccacc tactgatgct gaaacattgc tatcagtttg aatatataga 180
 atcctcagag atcatcaaag atcatcatct accactaatt aataatgagc caaattaaat 240
 aagttttgcg tatatatattt atccctatct ataaattatg catgtgttgt aaacaagtcg 300
 tggatgggct tcatttggtc tcgcgattga aaaataacaa ataaacaaag tagaaaagag 360
 gatgaaccag aagtcttggt cagcaagaag gaaggaggaa tg 402

<210> 25693
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B7

 <400> 25693

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 gagtgggtgc cggagcctga cgggtgggtcc gctgtcactg ggaccgcggt ggctgaggcg 240
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 gagcggggcc tgcgggcgtc cagcgagtcg cgggccaagg tgttgagct catcacgcag 360
 ctcgagacgc gcaacccac gccggcgctt accgaagcgc t 401

<210> 25694
 <211> 81
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H5

<400> 25694

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tgccgcccgt aattaatggc c 81

<210> 25695

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H6

<400> 25695

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gggttttttg ttttttgtgt tttttttaa taccatcaga agcgccaaca aaataacttg 120
atttcaagca tttgaggcac atacgtaagt attgcagaga ccaagttctt actctgatct 180
tagttttttt gcaagtgcgc aatccctcac catacaggca ggaaactggg aacgagatgc 240
aactttctca taaaaattgg gttgcgatac agaatgcatg acaacacaca ttatctttga 300
cagcaaactg tagcatccac cagttgttca gatcagattt gtgactgacg gagatcactc 360
gggcggaaac aaccacaccg ggaaac 386

<210> 25696

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H7

<400> 25696

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gttcttcaac caagaggaag aaaggaagga agggaccgga agcatcagcc atgtcgaact 120
cggcgtcggg aatggccgtc tgtgatgaat gcaagctcaa gttccaggag ctcaaggcga 180
agaggagctt ccgcttcacg gtgttcaaga tcaacgagaa cgtgcagcag gtggtggtgg 240
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agtgccgcta cgccgtgttc gattttgact tcgtcactga cgagaactgc cagaagagca 360
agatcttctt tatctctggg gccccggata catcgagggt gagaagcaag atgctgtacg 420

cgagc

425

<210> 25697

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-H8

<400> 25697

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ttcgaaagac caactgattc gacctttatt tgaagatttc gatgagagcc gcaggttgtc 180

tagttcatTT tttctccttt taacctctgt gctgtgcacg tatcttcgcg ggcttgacc 240

agattgcagt ctggtacatc tcctttggcg cttcaattg agtccagaat ttcacatgat 300

ctcctgtatc cttctccatt acagtccgct cttgccttat ccatgtacat gctgctacca 360

gacttggtgt aaataggact atgtgatgaa cacgttcana aaaaaaaaaa agggccggac 420

gtt 423

<210> 25698

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H9

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cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc gccgtcctcg 180

tcgtcatcgc cgtctcggtc accgcagtgc tggcctccac cgaggccgcc gacgctggcg 240

ccccaactgt ctccgagtcg taccgcgagg ctcccgatgg cgctggcgct ggcgctgccg 300

atggagccgt cgcctcagag ccatccggca gcagcggagc gccaccctt atcgccgtgc 360

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gttctcgcgc atggacgacc attgatacgt 450

<210> 25699
 <211> 275
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A1

<400> 25699

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 caccgagtac gccaccgacg ccgacccta gaagggtcgc ctcggcacca tcgcgcacat 180
 cgccatcggc ttcacgtcgc ggcgaacat actagccgcg gggcccttca gcggccgctg 240
 catgaacccc gcccgcttct tctggcccgg cgtca 275

<210> 25700
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A2

<400> 25700

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 caaccggcgc ctcttcctcg ccaaagcgcg aggagggacg tgcacgctcg ctccctctga 180
 ccctgacgac acgggtggctc gccgcgccag atacctgctg agcaacgggtt tcaggtgcta 240
 caacctgttc aagagcaact gcgaggactt cgcgatatac tgcaagactg gccttcttgt 300
 cgctgagcag ggcgttgctg ggcagagcgg gcaggctatc tccatcatcg gtggacctct 360
 cgccgcggtg gtctcgaccc cattccgctt ggctaccacg aa 402

<210> 25701
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A3

<400> 25701

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 accatggctg tcggaagaa caagaggatc tccaagggaa agaagggtgg caagaaaaag 120
 accgtcgacc ctttctctaa gaaggattgg tatgacatca aggcaccgtc ggtgttcagt 180
 gtgcgcaaca tcgggaagac tctcgtatcc aggacacagg gtaccaggat tgcttctgag 240
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 gcttacagga aaatcaggct ccgtgctgaa gatgtgcagg gcaagaatgt gctcaciaac 360
 ttttggggca tgaattttac cactgataaa ctcagatccc tagtgaag 408

<210> 25702
 <211> 257
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A4

<400> 25702

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 ggcttcatg gtgaactgga tgctagattt tcgagctcta tgctggctct agtacttaat 120
 caagacgatg ctcttcgtcg caaaagcgcg acgagactac gtgcacggtc aatgcctctg 180
 accctcagta ctcggtatac tgtcacgtct gatacctgct gaacaactgt tgcggtgct 240
 gcaagctgac cgagagc 257

<210> 25703
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A5

<400> 25703

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 tggttgtggc gttggtgttc ttggtgagcg gcgcatggcg cggtcctccc aaagtcccc 120
 caggcaagaa catcacggcc acctatggca aggactggct ggacgctaaa gcgacatgg 180
 atggcaagcc gacaggtgcc ggtcccgacg atcacggtgg cagctgcggt tacaaggacg 240
 tgaacaagcc cctcttcaat agcatgggcg catgcggtaa catccccatc ttcaaggatg 300

gtctgggttg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
agccccgtggt ggtgcacatc acggacatga actatgagcc ta 402

<210> 25704
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A6

<400> 25704

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cttggctcaa ttactctgca aagagcgtag agggacgtct tcaactcgctt gctatgacca 180
tgtccacacc gtgagttgcc gatccagata ctatgctgaa caacatgctc atgtgctaca 240
atcatgtcga gatcatctgc taggactacg acatatactg taatacttgt ctttatggcg 300
ctgatcaagt ctttgttctg ca 322

<210> 25705
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A7

<400> 25705

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gtccatctag agagagagag agagagagag gaagcttctc tgattccgcg ggtcggctcg 120
cccgacatg acagagataa agcaatgatt cgctccggct agcatcgcat ctgatcgatc 180
actctcaatc ccctgcagct ccagccacg gcaccacggg cgtcgatctc tcccagcat 240
cagcgccgac gcgggcctgg gggcagcgta gatctccac cctgctgaca ccattgacgc 300
ctagccggcc gaccattca ggatcggaca cgtacaagaa cgaccagaag gcgcgcacct 360
c 361

<210> 25706
<211> 403

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-A8

 <400> 25706

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 gctaataaca tcatggctgt ggggtgctgc cttgcagcgc tcgtcgccgg cgggtcatgc 120
 gggccccga aggtgccgcc cggtcaccaac atcaccacca actacaacgg caagtggctc 180
 accgccaggg ccacctggta cggtcagccc aacgggtgccg gcgctcctga caacggcggt 240
 gcgtgcggga tcaagaacgt gaacctgcca ccctacagcg gcatgacggc gtgtggcaac 300
 gtccccatct tcaaggacgg caagggttgc ggctcatgct atgaggtgag atgcaaggaa 360
 aaacctgagt gtcgggcaa tccagtcacg gtgtacatca ctg 403

<210> 25707
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B2

 <400> 25707

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 ctccggaggg caagtgcctt gtctgccgag cggttgggtgt gtttgatcgt gctgtgcgta 180
 tgactgaact agaattgtct ctcaagagaa gggacaaaga ttactttctg cagagactgc 240
 gcgaagagcg aagtgtgatg gtgaagcagg ccaaagaata ctgggactca caggcaatgc 300
 tatcgatggg gatttgaaag ctacaatgtt cttaccaggt caattgttgt ggctaattac 360
 atctgaaggt tctctggcta attacatatt ttagttcctg gc 402

<210> 25708
 <211> 277
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B3

 <400> 25708

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 acacgtccaa gctactgaag atatcacctt cctggagacc attgatactg ctgaaccctt 180
 cgcaaggatt tcacctagtg actacgctta taagcatggt gaactacacc tatgacagga 240
 gtttgcaata accccgttgg cgatgaacta ccagggc 277

<210> 25709
 <211> 302
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B4

<400> 25709

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 ggattaccaa atcatgtggt acctctggtt tctacatggt gcagactgta aactgattcc 120
 cttaagacgt gacactgcac atattgcta gcgtgcgacc agtgataccg ggctatccgt 180
 atcactgatc tacactgctt gctcaacata taggacacgg attgctttcc tatgacactg 240
 ctctaggagc gaaatgtcat ggataagcag gccatacaat actgagactt acagtcaatg 300
 ct 302

<210> 25710
 <211> 240
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B6

<400> 25710

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 tatcatctcc tgttggaggt gaatctcgtg atcgctgata gtgtatctat agagtaatct 120
 tgtctagcta atgcgcctct cagccaaaat tgtgctatct atcatgtcta tgtgcgtata 180
 actgtctatg tatcatgcct cgataacatg gacagagagt cctctcctga cagactggac 240

<210> 25711
 <211> 266

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H4

 <400> 25711

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 ggagggcatt ccccaaaacc aggacgggct cattttcgct gccaaacagc ttgaggacgg 120
 ttgcacgctt gctgactaca acatccagaa cgagagcaca ctccaccttg tgctccgtct 180
 cacgggaggg atgcagatat ctgtgaaaac cctgaccggc aagactatca ccctagtggg 240
 gtagtcctct gacaccattg acaacg 266

<210> 25712
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-G12

 <400> 25712

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 accgccggtc caaggccccg cctctctcct ctgcttctct cgcctctgcc tcggtcaggg 120
 tccctctcgt catggccttc ctctctctgcc tcgcctgggt ctacgtctcc ggccgtttgt 180
 ggcaggacgc gcagaccggg gcgatcctgt ccggcctaact cgagaagagc tctaccagcg 240
 tcccgaaggt gctctcggtg gaggacangc ttaggaacct aggggtgcaag gcgattggaa 300
 ggaaaattgc tgaggcggag atggacctga ccaatgccaa gagcgaggtg tacctgtggg 360
 ggacaggact gcagctg 377

<210> 25713
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-G2

 <400> 25713

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cgccggcgag attattcgca agggattcta ccagaccaag aacgtcgagc acaagggcca 120
 ggtggatttg gtgacggaga cggacaaggc ctgcgaggac ctcatcttca accacctccg 180
 gaagcacttc ccggaccaca agttcatcgg ggaggaggag tccgcgggcg tcgggggccac 240
 cgctgacctc accgacgacc ccacctggat cgtcgatccc ctcgacggga ccactaattt 300
 cgtccatggt ttcccatttg tatgtgtctc cgttggcctc accattggga aaattcccac 360
 tgtcggagtc gtcttcaacc tcatcatgaa cgagcttttc acggcggttc gtggaaaaag 420
 ggctttcctg aatg 434

<210> 25714
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G3

<400> 25714

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 tgcaaacaaa cttcacagga tggataatga cattgttttag ttgaaaatat ggtcccgcgc 180
 gcagcataca tacagagaag aatatgagtt ttgttttatt cttatcttct ttacgatttt 240
 gctccctgtc tgtcacaatc aaaccaattg tcagtcagta tgcatagtcg tacgctatag 300
 ttctgtatct tcagcttatg tatgaagaat ataatatcaa ttggatttgg tatataaatc 360
 aaaggaccgg ccattatttc aacaagggtg gtcctatacc 400

<210> 25715
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G4

<400> 25715

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 atgggtcaca cgaacagcgt ctgcgatacc atcatgatga caatgtaagc gaccgagaag 120
 ggcttacact ccgctcctac cgatctcgcc aaggacactg acgacttcca taacgacttc 180

atcttgcaga cctcgcacct ggactacatt aacctgtatg acgactttca agaagttatc 240
gtccatatat acgcgggtcca tgtcagtaac gtcaccccca tctgtaacta ccattgcgtg 300
caccgcagat gtgatactat ctatcgagaa cgcagctgac gaag 344

<210> 25716
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G6

<400> 25716

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gcgcagtggg tctcccttga gctccggcgg ttgatgcca agctcctcga accgaaccca 120
aacaacagga tcacgatcga gaagctggc gagcaccct ggttcaagaa ggggtacagg 180
ccggccgtca tgctggcaca gccgcacggc tccagcagcc tcaaggatgt ccaggctgcc 240
ttcagcaacg ccgaccacaa ggacagcacc accaaggtgg aacagccggc ggacagctcc 300
ttgaagccgg cgagcctgaa cgcgttcgac atcatctccc actccagagg gttcgacctg 360
tcaagcctgt tcgaggtgga ccaagagcag aaggccagca actcgcgggt catgaccag 420
aaaccggcgt cggcgatagt gtcaaagct 449

<210> 25717
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G7

<400> 25717

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gcgtcgcgga ggtggcgcgc atggggctcg ccggggacgg gtcggcggac accgcccacc 120
tcagtaataa tgaaaatggg cggttcattt atggagttgc gagttctcct ggtaaaagag 180
catcgatgga ggacttctat gaggcaagaa tagacgacgt tgatggagag aaaattggaa 240
tgttcgggtg atatgatggg catggaggag tccgagcagc tgagtatgtt aagcagcacc 300
ttttcagcaa tgtaatcaaa caccctaaagt tcatcactga taccaaggct gctatcgccg 360

<210> 25718
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G8

<400> 25718

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 gatccactgg cactacggca gccggtccca cgcccccgag ctaccgcgg gctactacaa 120
 cacgcggcgc cacgacgggt acctcaccat cgcgcgcctc ctggcgcgcc acggcgccgt 180
 gctcaacttc acctgcgtgg agatgcggga ccacgagcag ccgcaggagg cgcggtgcat 240
 gccggaggcg ctgggtccggc aggtgggcgc cgcggcgcgcc gccgtcgggg tgggcctcgc 300
 gggcgagaac gcgctgccgc ggtacgacgg cacggcgcac gaccaggtgg tcaccacggc 360
 cgccgagcgc gccgacgagg accggatggt ggccttcacg tacctgcgca tggtgcccga 420
 cctcttccac tcggacaact ggcggcgctt c 451

<210> 25719
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G9

<400> 25719

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 ggcatagaca acgcggtcat ccacgtgcct gaacaagggc accgccgact tcacgaacct 120
 gacggacgcg accgaggctc tgcaagactg cgcgatgcac ctgcatgaca gcctcaagct 180
 ggacttacta ctgcccattc gcatggcctt cttactgaag tcttaacgcg cttgtaccac 240
 aactgccagc gctacaccag acaactacta ctgctctgcc aggcgggtgtc cgactccgcc 300
 gagaaaatgc gtaggctgcc ttacactgcc atgaacagca ctgctgcagt caacaataac 360
 tcccac 366

<210> 25720
 <211> 332
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H1

<400> 25720

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ttattggcct cttcaacgcc ggcggggtca cctgccaga aaaaaacctc ttgaaaggcc 120

aacaacaaca acctaactctg ctggcccgag aactgcgtgg caacctgccg gaatcaacgg 180

ccacgcggac ggccgctgca gctgggcatg gtcgtggagg ccgtattgcc agtgcttgct 240

ggcggactgc caatagacgc gaaaggctgc gttgctttgg cgtctggctt gctcgccgtc 300

gccggcagac gaaggataaa cgtacggttt gc 332

<210> 25721

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H10

<400> 25721

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gcgggtctctg cccagcccg gctgcctgcg agggcttctg atggccctcg acgccgtcct 120

ttactactag tgcccagctt tattgcagat ccagccctct gatcctcgtc ttctttcacc 180

tctccaacat gaaggtcaac accaagatca agctggagcc ggtcatggcg ccgtcgtcgt 240

ccctgccgcg gagegccagc gagctaccgc acccgtcgtc accgttcagc tccaacacgg 300

tgcaccaccc cgtctacgtg cccaccacac ctaggttggt cttatcgtgc tcgtcgttcg 360

gccacatggt gaccccgccc accgacacac cgccgatcac gctcaccaag aagcaggacg 420

acaagccg 428

<210> 25722

<211> 97

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H11

<400> 25722

gtgactatga ttctctgtct gtcacgtact gttcgatgta gattatcgct ggcattgacc 60
tgtatatatg acaagtgcaa gcgaacgccg aacgtat 97

<210> 25723
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-H12

<400> 25723

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ggaggaggag cgtcggctgg aggaggccag gcacgccgag gagactgctc tggcactggc 120
cgagatggag aaggccaagt gccgcgcggc catggaggca gccgaggcgg cgcagaggct 180
ggccgacctg gaggcgcagc ggccgcccaa cgccgagggtg cgcgcgcgcc gggaggccga 240
cgagaagggtg cgcgcgctgg atgccatctn caaccacgac ttccggtacc gcaagtacca 300
catcgacgag atcgagatgg ncacggagcg cttctccgac gagctcaaga atcgcgaggg 360
cggctacggc cccgtctacc gcgcctccct ggaccacacn cccgtcgcca tcaagggtgct 420
ccggccccgac gcgcaccagg ggaggaaagc agtccagc 458

<210> 25724
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H2

<400> 25724

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ctctagggtc ttctagaacc gtcaaggagt tcctgtatgc cgcgaaagaa aagaaacgat 180
cttttcgtgt atttgttgc gaaggtgctc caagatatca gggccatggt ctcgcaaaag 240
agctggttga gaaagggtga caaactacag ttataacaga ttcagcagtt tttgctatga 300
tatctcgagt taacatggtc atcgttggag cgcattgctat catggcaaatt ggtggagtca 360
ttgcaccagt agggatgaac atggttgcac ttgctgctca aggcattgctg tgccttttgg 420

tgtggttgct tgtagtcaca agct

444

<210> 25725

<211> 371

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-H3

<400> 25725

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gacgaccttc gccgtcatct tatecgtcct cttctgtgcc ggggctggca ccgccgtcga 180

caacgacctc cccgactacg tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg 240

gttcgtgacc aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca 300

cttcggcacc ggcaagctcg agcgtccat cgacgggggtg accgacgcga acggcacgta 360

cccgatcgag c 371

<210> 25726

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G1

<400> 25726

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gtggcggtgg ccgtaggggc gccgtcggcg ccggcggatc cgctggacat cgcgcagctg 180

ggcgccaagg gcgacggcaa gtcggacagc accacgatga tcctcaaggc gtggaagaac 240

gcgtgcgatg cgacggagcg acagaagatc gtcattgcga cgggcaacta cctg 294

<210> 25727

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E3

<400> 25727

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tcgaaccttg tactacgagg ctccatcgaa catcgatggc ttgcttcttt atcagaacat 180
gtttgaataa acgctatttg gt 202

<210> 25728

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E5

<400> 25728

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gagatgacga cgcagggcgg caacaggctc acgacgacgc tggtcgccgc cgtggccgta 120
gttctggccg tggcgggcgg gtcgtccctg gccggcgtgg cgtccgcgga gaaggcgggc 180
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gaccaggacc accaggagga gatctgcgag gtggtgctgg cccggagccc cgacccgggg 420
tgcgcggaga tcgaggagtt ccgcgaccgc 450

<210> 25729

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E6

<400> 25729

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ctggcgcccc gccgaggacg ccaagctcaa ggagctcgtc gcgcagttcg ggccccagaa 180

ctggaacctc atcgccgaga ggctggacgg cagatcaggg aagagctgcc gcctgcggtg 240
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gctcctggcg gcgcaccgcg cgtacggcaa caagtgggct ctcatcgcg gcctcttccc 360
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ggagcactcg ggcgcgct 438

<210> 25730
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E7

<400> 25730

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gtgtggggtc ctcacggccg agagatggtc cgagagaggt ccgaccgggc aatagatcag 120
atggcgcatg acgaagaggt tgaggacctt ggcgatctag acggcacgct gcccgacagc 180
atgttgcccc aggctcggg ggtggagttg gcgccgccgt ccgatgcggg caagggcccc 240
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ggtgaggacg cctcataggc ggtgggcaaa ccagctgccg aagaccccg gcgcacggct 360
cgggccttcg caggttccga cgtttgggcc tgcccaagca accgctggtg acaatactga 420
ttttgt 426

<210> 25731
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-E9

<400> 25731

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tcaccactgc agagcgcgcg aagccaacga gcgtaccggt gacggtatca agtatcgcca 180
gacctgattc attctgcaag acttcgtcac cgactacaac tactgaaata tgatacaacg 240

cataacggta cgtactgcag atggacaatg gatgttatct aattactcac ttattcgttc 300
 aacggcgnc c ttgactatgc c gatgatata tggatgtgat gcgaacgtga acctaccgat 360
 atgagcggct ggattacata tgc 383

<210> 25732
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-048-Q1-K1-F1
 <400> 25732

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 gcccccgcc gaaaaaaagc gacaccacca agtactatga gatcctcggg gtgccaagt 180
 cggcgtccca agacgacctc aggaaggcct accgcaaggc cgctatcaag aaccaccccg 240
 acaaggggcg tgaccccgag aagttcaagg agctcgaca agcctatgag gttttgagtg 300
 atccagagaa acgtgagatt tatgatcagt atggtga 337

<210> 25733
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-048-Q1-K1-F10
 <400> 25733

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 tcgtcgccgc ggctccctc gccgtcgcg cctcggatgg cggcgggatg gcggcgcttg 180
 tgtacgggta cgcggcgggg agccccaacg ggccggagaa ctgggggaag ctgagccccg 240
 cgtacaagct gtgcggtgag gggaaagcagc agtccccgat cgacatcgtc accaagcatg 300
 ccgttcgctg cgcagcctc gacaccctca atcgcaccta cggcgccacc aacgccacgc 360
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<210> 25734
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F11

<400> 25734

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cgtgtgctca tccgtgcacg ccggcaatgg tgtcctccgc ccgtgcgctc atcgatctcc 120
tcgtcgccgc tgcctccctc gccgtcgcg cctcagatag cctcggcatg gacgcgattg 180
agtacagcta ctcgctggac accccaacg taccggagaa ctcaatgaag ctgagccccg 240
cgtacaagct gaacgtagag gtgaagcagc agccctcgat cgacatcatc accaagcact 300
ccatcacctg cgccagccta gacaccctca atcgcaccta cgacgccacc aacaccaccc 360
tcatcgacga ttgccacgac atcacgctgg cgctggaggg caaggtctgg acccagacgc 420
tgaacggcaa ggcgtacagc ttc 443

<210> 25735
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F12

<400> 25735

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gcaagagcca gagctgggag acgttccggt gaagagaccc gttgggaggc ccaggaaggc 120
taggaacgga cctagctcag atgacccggg caccctgct tcgtatgctt gagctccggt 180
tggcttgat tccggcgct tttccagttt cctgtgactt ctgtacagtg caagccatct 240
taacgcgcc aaggttaact tatcgaaaca tttggagaac ctggaagcaa acggcgaagt 300
ttttccgtgt gcgttaatgt ttcacagaag gggagtccga ggaaaaaaaaa gttgccacta 360
cgcagcttat ggactggttt tttttgtagg atgtattgac atcattgtac caaattaggt 420
tcatataatc ctggttgata gatattt 446

<210> 25736
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-F2

 <400> 25736

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 cagtccagag tattcgggtga cccaccatcc cagcgttctg ctgaggacat tgcatttgcc 180
 gtggcgcgct tcttctccgt gggcgggtact atgacaaact actacatgta ccatgggtgga 240
 acaaactttg gaaggacatc tgctgccttt gtgatgccaa aatactacga cgaggcacct 300
 ctcgatgaat tcgggtctgta caaggagcct aagtggggcc atctgaggga cctgcacctg 360
 gcgctgaagc tgtgcaagaa agccctgctc ttggggaaga ca 402

<210> 25737
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-F3

 <400> 25737

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 gcggcgccgg ccgccgcgaa cgcgcccggc ggggcgttca gcaactgggt ggcgatgaac 180
 cagcagagct acgcgctgta cgcgcagaag tccgtcgggg acggaggcaa ggagcccctg 240
 gacaagaagc tgtcggaggc ggataagatg aatgtcacgt acgtgggtgga ccccgagcggc 300
 aagggcgact acgccaacat naccgcagcg ctggaggata 340

<210> 25738
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-F4

<400> 25738

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gaaagtaacc ctaaaatcgg attcacagcc aatgggtataa aatgaaactg tctcagatcc 120

tatatctagg gtcagagaac ctgagaccga aattttctcaa gatgggagga tacccaagat 180

tgccatggac agtgccgatt cagacctgaa taacagaaat gatgaagcaa gtgaacagct 240

tgtagcagat cttaaagctc agaaagagga actagaagca acaattaaca gggaacagct 300

gcaaactgtg caacttatag aagacattgc tcaagcagag accagaaatg cagagctgac 360

<210> 25739

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F5

<400> 25739

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gtccttcggc ggcatgatct tcgccctcgt ctactgcacc gacggcatct ccggcgggca 120

catcaaccgc gcggtgacct tcgggctggt cctggcgagg aagttgtccc tcaccagggc 180

ggagttttac atcatcatgc agtgccctggg cgccatctgc agcgcgggcg tcgtcaaggg 240

gttccagcag gggctgtaca tgggtcaacgg cggcggcacc aacgtcgtca cgcacggcta 300

cacc 304

<210> 25740

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F6

<400> 25740

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gaacaaatta gcaagggatt tccacaatta tccagctttg ggtggacttg tccagaccct 120

tatgggctat gtcgttggcg gtgacagttc aaattgggta ggagtgtcgc gtttgcccca 180

ctacaacatg gatgacatgc ctgggtgtgc atttcatgtt gcgcttcacc ttgtccagat 240

aaagatggca aagaagttcc aaatgtatga ctacagtagc tctgcagcaa atattgaagc 300
gtacggaaca ccggaaccat tggacttggg agctcattat ggtctcatcg acattttctga 360
cgacttagtc gctgggcaca acttcagtat tatctta 397

<210> 25741

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F8

<400> 25741

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gcttgcataa tatgccagga ggagtataaa gctaaagaac ttataggaac ccttgaatgc 180
ggtcacaagt accatgtgaa ctgcatacag caatgggtga tgatgaaaaa cctgtgcccc 240
atatgcaaga cgacagcttt gtcacagat agaaggaacg gatgaccgtc gccaataatg 300
ttgctggctg tttaccgctg ggcatattac cgtggatttt gtatatagac atggttgccct 360
ctatttgccc gtcccctttg ctgtggacat aaactgagct tcgaaacact gtacagatat 420
tctgtaggat gctttagac 439

<210> 25742

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F9

<400> 25742

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cgcgtcagca tgacatcatc cacatccgat caccatatgc aatcttcccc ctctattgct 120
tgccaatacg tgtagaacca gacgatttct cactcgtacc gtctgatcga tgacttaatc 180
tactgtaacg acgacttcgc acaacatgta gatccgtggc tgtctaaatg cgtctgaggc 240
ctctctacta ctagtgttgt tgctaattgc aaactcatcc agtgctcttg gttctacgct 300
tgaacttgcg tagtgtccgg atcgacaggc acgtcctcga tctaactaca 350

<210> 25743
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-E2

 <400> 25743

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 cgccgcgcgt gccggccgtg gacgcggccg tcatcatggg cgtgctcacg gccgtgctgc 180
 tggcgctctt cctcttcctc atctacgcca agcactgcaa gcagcgcggc cccggcgagc 240
 ggcccggcgg cctgagactc ggcttcgcgc cctcctcgtg cgaccgctgc cgctcggggc 300
 tcagcagctc cgcggtgggc gcgcttcggg cggtcgggtt cggcgacggt gacgtcgacg 360
 tgggcccagc caccgagtgc gcggtgtgcc tggggcgctt cgacgccgnc gagctgctcc 420
 gcgtcctgcc cgcctgtcgc cagcct 447

<210> 25744
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D1

 <400> 25744

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 ccgctgccat agtcggccac gacggcgccg tttgggceca gagcaccgca tteccacagt 180
 tcaagacaga ggagatgacc aacatcatga aggacttcga cgagcccggg ttccttgccc 240
 cgaccggcct cttactcggc cccaccaagt acatggtcac ccaaggcgag cccggcgctg 300
 tcatccgcgg gaagaaggga tctggaggca taactgtgaa gaagacacgg catgcgatgg 360
 tggtcggcat ctacgacgag cccatgaccc acggccagtg caacatggtg gtcgag 416

<210> 25745
 <211> 458

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D10

 <400> 25745

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 ggggtgccagg tggtcgagcc tgcacttaat ccaaaggagg aagttctgaa cggggagggtt 120
 tgtaactcgc taagtgatgt ggagaagcct gttgctgagg aaacgccgga tcctgatgtc 180
 ataaatgaac tgccaaataa tgttgcagtg gctccaccaa tttcatcccc tcctgtacca 240
 ttgaaggagg caccaaagaa gtcatatgct tcaattgtaa aagtcatgaa agaacatcgg 300
 ccattagcac ctgcagttcc ttccagacct gcacccccaa taacagagaa gcaagcctct 360
 cctgccctca ctccagttac tgagggtcca gctttctcct ctaatcctca gagcgggtgc 420
 tttcaagatc cagacgttga tgcacatgcc atatatgt 458

<210> 25746
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D11

 <400> 25746

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 ggtgcccgag gccccggact tggtcagccg agcaaccgag gctttctggg agccgcagtg 120
 cccgacgtac tcggaagagc cgagctccag cccgtcagaa gcaaacgaga cgggcgagggc 180
 cgcagcagac gacggcacgt ttgcgttcga ggaactcgac cacaataatg gcatggacat 240
 agaggcgatg accgccgccg ggggacacgg gcaggaggag gagctaagag aagccgagggc 300
 cctgccagac gatgcaagcc tggagcacat caccaacgag atcgaggagt tctacagcct 360
 ctgcgaggaa ttggacctgc aggcgtacc gctaccacta gaggacggct ggaccgtgga 420
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<210> 25747
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D12

<400> 25747

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ggggcgggcc cggggagggtc tcgctcaccg ccgtgctgca gcaggcggag gccacgctcg 120
gcgtcgacct ctcccacaag gggggcttta tccgcgacca gatggacctc ttcttcggcc 180
cgcgctcca gccgcagccg ctgaccacgc cacagctggc gcctcccccg cctcaggccg 240
tcgttgcccc cgcggacgcc gtgcctcagc ctcagcctca gcatcagggt ctgccgcagg 300
caccgccttc ggctcagcag atgcagccgc agcagctcgc gccgcttcag ccgcagctca 360
tgttcagac cattcaccag ctccccgcca tctctcccggt ccctgtgggt tccgcgccgc 420
cggccatggc gttctac 437

<210> 25748

<211> 320

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-D2

<400> 25748

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aaggggcnag gctggccttg gcagcggcgg tggttctgtg cctgctgatg ggcaccgggc 120
cgcaggaggc cgccggcgcc gaggggatgc tgtcgtatga taagttgctc agctgcaagg 180
tgctgggcaa ctgcgacaag aacaggggcc ccggggccac ccgcccgggg aagcccgtaa 240
acaagtacac ccgcggctgc aagcccgtg acccgtgccc gcagcggctg atcatatctn 300
cggtgggtct ggtcgatgtg 320

<210> 25749

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D4

<400> 25749

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 tccgaagaag atccggataa gcctggcaca ctctctgata cgtttcaagc caatttaggc 180
 attataggta aatcaatgga tggagactca ttgcattcat ttgatatctc tagtgaggca 240
 catgaagacg aggcattgtg cacctcatgg tggcgacaag tagttttgga tgggttagag 300
 ggtaaggata aaatccctct aaaagatta 329

<210> 25750
 <211> 271
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D5

<400> 25750
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 tcattttcta cctagacaac cttcttccat ctcatataac ctcatatcca aagctaataa 180
 tacatcatat aaccaacatg attaacgacc ttcaccaacc ccatcacctt tactcacc 240
 aacctttact ccaacataac ccatacatat c 271

<210> 25751
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D6

<400> 25751
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 agcggacaag tcctacgggc gggacatcgt ggacgcgcac tacaaggcct gcctctacgc 180
 cggcatcgac atcagtggca tcaacgggga ggtcatgccg gggcagtggg agttccaggt 240
 cggccctgcc gtcggcgtct cggccggcga ccagctctgg gtggctcgct acattcttga 300
 gaggatcacc gagatcgccg gcgtggttgt ctcttcgac cccaagccaa ttccggggga 360

ctggaatggc gctggtgcac acaccaacta cagcaccaag tcgatgagga gtgacggc 418

<210> 25752

<211> 450

<212> DNA

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<223> Clone ID: LIB3066-048-Q1-K1-D7

<400> 25752

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aaactccaca caagactgag gctgtgggaa tttgcggact gttatgtttt tgaaccagtt 180
ggctttaatg atcttttact gtcagtcaac cggatcaatg gatcaatgaa tctagtggag 240
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ggagtgctaa aacttgcagt tgggacatat attctgggtga tcaactgaccg tgattgtgct 360
ggatcctact tgggacatgc agttntcaaa gtgagaggtc tgagagctct gccgtgtaat 420
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<210> 25753

<211> 329

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-D8

<400> 25753

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tgcacctaca tcaactccct cgccatcggc ccgctcgccg cgctcgccgt ccgaggcggtg 180
cagctcgctg ccacgcagtg atctatcccc atggccatgc gtgtgtgtcc cgctgtttcg 240
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nccccgatt ggtcattata ttaggtcga 329

<210> 25754

<211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D9

<400> 25754

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gaggaggaga agccatggcg aacgacggcg acgggaaggg ccgctgtctcg acggcgccag 180
gggcagggta cgggtacgcg gcgtagggag gctaccaggg ggcgaggag cggaagtgg 240
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<210> 25755
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E1

<400> 25755

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ccggccgccc cgaacgcgcc cggcggtgcg ttcagcaact ggggtggcgat gaaccagcag 180
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gactacacca acatcaccgg agcgctggag gatatcccgg tgagcaacac caagcgctg 360
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<210> 25756
 <211> 371
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E10

<400> 25756

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tgcggcattgt c 371

<210> 25757

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E11

<400> 25757

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ttggggacac cgttcctaaa actgcagaga acttccgagc actttgcaca ggggagaaaag 360
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cggggttcat gat 433

<210> 25758

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E12

<400> 25758

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 agatgatatg gccaaatctt ggcaccacac catctattac gaactccgca gtgtgcctga 420
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<210> 25759
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-048-Q1-K1-C9
 <400> 25759

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 cagaggtcta tgactgcaac aacatgggtg agcaggagct gcctggaggc gggctcctcg 360
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<210> 25760
 <211> 300
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-048-Q1-K1-B4
 <400> 25760

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gcggttgccg ggatgtgccg taaggggtggc cgataccgcc acgccttctt ggaagccttc 120
ccaagggcag gaagcaaata ctggacaccc atctcctcct agatgttcac tcttaagtgc 180
tggaagatct tttgctggaa ctcagaatgt ttcaagtctg cagaaggatg aagcatggaa 240
agtgaatgtc cgcatccatg gttgcaatct tgaccagggt tatctatgtg gaacgatgga 300

<210> 25761
<211> 446
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-B5
<400> 25761

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gccgccgggg accttgaggt gctcaccgcg ctgcacaccg cgaagacgca atggtaccac 120
ttcaccgcca tcgtggctgc cggcatgggg ttcttcaccg acgcctacga cctcttctgc 180
atctccctcg tgactaagct cctcggccgc atctactaca ccgtggaggg gtccgcgacg 240
cccggcaccc tcccgccgca cgtgtccgcg tccgtcaacg gcgtggcctt cgtgggcacg 300
ctgtcagggc agctcttctt cggctggctg ggcgacaagc tcgggcgcaa gaaggctctat 360
ggcatgacgc tcatgtcat ggtcctctgc tccgtcgcgt cggagctctc gttcggccac 420
accccgcgct ccgtcatggc gacgct 446

<210> 25762
<211> 226
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-B6
<400> 25762

cccacgcgtc cgaaaaaaaa aaaaataaaa taaaaaaaaa aaaaaaaaaa aaacaaaaaa 60
aagaaaaaaaa aaaccttaaa aaacataaac aaactcaaca ccaaaaaaac aacaaaaaaaa 120
ccacttaacc aacatactaa aacatcctca tgaagtactt caccgacacc tacgacctct 180
tctgcatctc cctcatgact aaactcctca gacgcatcta ctacac 226

<210> 25763

<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B7

<400> 25763

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gacacgagcc agggacaccg agtgtggtga ggttgccctt tcccttcccc caccctcatc 120
gtcgtcttgg accagctctg tacgtaccgt ccgtcgatcg tcctttcccg tcccctctag 180
catcgatcgc agcctcctct gctactgccg cgtctctgtg cctgccgaga caagcaaggg 240
ggtcgtcggt cggggctagg ttgttccctt aattcattct aggggcagat cagatcgaaa 300
gaaatcaaac taacgtagcc atggaagaag ctccacgtca ttccatgtag ttactttctt 360
agagcgcgcg gtggcggccg gctagaagct ttgttcgttg catttgaatt caccacaaa 420
ggagaaggcg cctgttggcg t 441

<210> 25764
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B8

<400> 25764

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gtcactatct ctgagaggtc cttcaatgtc tctgacagca tcttctatgt ctgtaaagga 120
agaccaaact ttctcacaca ggtcacatga tgcaacagaa tctgtgccga tgaatctgag 180
cgcacgtcaa atcacactct ctgtgtaatc catatgtgct gaatcaacat gctctgaaaa 240
tacttctgtg aactatgaag gcatcgctca tacttacagt gtgcttgtgt tagtctctgg 300
atctaacgtc tcatcgtttg acgtctttac tcagagttat cacttttcac tttcttttca 360
gatccattac tgtcatgtag gaggtttcat tacaacct 398

<210> 25765
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B9

<400> 25765

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gctcctgtca ctgactgtat ctgcggaacg gaatatgatg gaccgactac gcgctcatgc 120
gcttccacct atacatcacc ataacaaacg ggctgcacgt gctgatcgag ctgcctcaac 180
tggtactgta cgccatctac tacaagaaca cccataagat agtgcacgca cgcattgtca 240
aggcaggcca ggctgtcaag actcaagcgg atgcccacgg tagcaggagc tccaacaacc 300
accgctgtgg cagaagcaca tactgaggat cataactact acgacgtaac ctggatgtga 360
gcacactaca cacaacacca agcaaca 387

<210> 25766

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C1

<400> 25766

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gcccggttaa ctgatggccg cgcagagtgt cgtcaggctg ctcatctcca tgctcgtcat 120
ttactgctgt ttcgaccgct tctgcccgtc cccgacctac accgacatta cgctgtgctt 180
ctatcacata gtgactccaa ctatgcatct gacacactac cactgtctac gctcaccaac 240
agcgtgcata tgcacattga cct 263

<210> 25767

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C10

<400> 25767

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agcagcatag caggaaagat ctgtgagcgt tcttgcagcc ggcagggggtc caggattacg 120
aaggaaacca agaacgcaag aaacgtctaa gaagagggga ggaaagattt ggggtgtagat 180

tggtagatat attacacagg ttttgttttg ctgtaggtta ttagcaaata aatagctgga 240
gaagaagcct ggctaaaaaa aggtgaaatt tgtggagaac atgtttggga tccaaaccag 300
ggatgtggca gaagattgca actcctggag gaggacatta atgaacacac ccaccgtctc 360
aatgcccattg aacaaccaca acattatgta caacacaggc aagagtttgt tcaatgtaca 420
cctcatgtct gtcaagtttg aagacctgta tggattcatg 460

<210> 25768

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C11

<400> 25768

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gacggccgag gccggcgcg catcgccga cagccgcct gagccgacc acacttcttc 120
ggactcgcca gcggagtctc ctggcccggc cgctgaccac gagagcggca gcccgagcat 180
gttgggtggc actggccttg ccctggtcac gctggtcgc accgtcacgt cctccgccat 240
gctttgtttc taaacgacca cgatcgctct gagtttaata tggatcatgca tgcattggctg 300
tgaggagccga tgactacgcc ttattacgag tctctgaatc tctccttagg gtttttttagg 360
ctgttcgagt catccttttc ggtgttacct agcatctatg tatgttgttc gcgtatcgcc 420
tcgtaattgt taactacgat gaatgaattg ttgcatagc 459

<210> 25769

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C12

<400> 25769

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ggcagcgacg cacgcaggcg cgcgcgcgga catgaagggg ggcggtgcca tgaggccgtc 120
ggctatgttc tacgtccacg agggcgacgt cgtccagatc caccacttcc tcgaggagtg 180
ctccctctgc gccaaatcgc tcttcggcga catcttcatg tacaggggtg acacgccgtt 240

ctgcagcgag gagtgcaggg agcagcagat cgaggtggac agggcgaagc accggcggaa 300
gaagcgcgcg gtggcgcacg cgctgtccga acgcagcagg gagcaccggc accagcagca 360
gctgcagcag caccaccacc agcagcagca accgcagtcg cggaatgccg gcatggacac 420
ccgccacccg tgggtcgacg ccgggttcgc ca 452

<210> 25770
<211> 116
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-C2
<400> 25770

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gttcaggacg ttctggaaca aattcttggc tggaatttgg aaggacaact ggttcc 116

<210> 25771
<211> 446
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-C3
<400> 25771

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cgtacgacat gccgtggcct ttgaaggat ttctcctgat gtgcctctct ataaagtcaa 120
tgaagggaat gaaccttgc tcttcaggac atacttctcc tgggatagcg cacgatccgt 180
gattcatgga aactcttttg agaagaaact ttcagttctt ttcggaatgc gttcagaggg 240
tggcaataag ggctcagggtg atgggtgggcc aactcaaagg gcatcagcct tggccgctct 300
ttcatctgca ttgaatccat cgtcgcaagg aaaacagtca gatgagaage ccacaagctc 360
agatgacagc gagcatactc aacgagcttc agcaatggct gccttgtcct ctgnccttaa 420
tccatcgaca aaacctagca gcacac 446

<210> 25772
<211> 438
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C5

<400> 25772

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ggctcaagag tcagggcgcc atggcgacag agacggagac cttcgccctt caggctgaga 120
tcaaccagct gctctcactc atcatcaaca ctttctattc caacaaggag atcttcctcc 180
gggagctcat ttccaactct tccgatgcgt tggacaaaat caggttcgag agcctcactg 240
acaagagcaa gctcgatgcg cagccggagc tgttcatcca cattgtacca gacaaggctt 300
cgaacacgct ctccatcatc gacagcggca tcggcatgac caagtccgac cttgtcaaca 360
acctcggtac catcgccagg tccgggacca aggagttcat ggaagccctt gctgctggcg 420
ctgatgtgtc tatgattg 438

<210> 25773

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C6

<400> 25773

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agagaaaaaa aaaaaaaaaa aaaataaaaa aaaaaaaaaa aaaaataaaa ataaaataaa 120
taaaaaataa aaaaataaat ataataaatt ttataaaaaa aaatattaca gcaactctat 180
tttatattca ccagcttatt ttctcctttt attatactta atactttttt atatgtttac 240
acactttcta atttgatcaa acttctttta cactcctagc tattgacaaa cttgtattt 300

<210> 25774

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-C7

<400> 25774

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gccatctcga ttctggatga gcgtaacct gaggaggtgc aggctgtgga tgccttccgc 120
cagcttcttg tacttgaaga gctgctacca tcgcagcatg atgactacca catgatgcta 180
agatttctca aggcaagaaa gtttgatata gagaaggcaa agcaaattg gtctgatatg 240
ctgaagtgga gaaaggagtt cggcgcagat accattctcg aggaattcga attcgaagaa 300
gctgataagg tggcagaatg ctaccctcaa gggttaccatg gggttgataa ggaaggcagg 360
cctgtctact ttgaacggct tggacagatc gatgtgaata ggctaataca ngtcactaca 420
atggatcgct ttgtcaagaa ccatgtcaag 450

<210> 25775
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C8

<400> 25775

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gacggcagaa acggacgcat cgtcgtgctc accgcaggga atccgcgcga gcttccccct 120
tccctacatc cggaggcgca aaaggcaggg cctagtgttt ccccatcccc agttattttt 180
tcttcttctt ctttaattta cagcaggaag ccaggaactc aaccaagag ggggaaaaaa 240
aatcaatccc cggagaccgg agccctgagc aggtgaagaa atcctagaat ctccagcacg 300
tctgccccgg tctccattga ccataaccat atgaggaaga aaaaaattgc ttttccaggc 360
atggcctggg atttgccgag atctccctt cccggcgtgc ccaggcacag cca 413

<210> 25776
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B12

<400> 25776

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accggtttgt ttgtcaagtg cttattgaac acaactacca catagatata ctaagcatcc 120
aaagaacaga cggattcatc ctgccaagac accagctgct ccaatcacgg atgtccctac 180

tgcccttagcg cccatgacat gttctaatat ctatccttaa ttcttaaaga tggtcattaa 240
taacccttc tttaaaagct cacc 264

<210> 25777
<211> 362
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H8

<400> 25777

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gcggcggcga agcatgacga ggccggggag tcgtcgggcc cgttcgccgt tttcaagggc 120
atgaagaaca tgcccccgcg catgcctcag gtgctcatcg tcacgggcct cacctggctc 180
tcttggttcc ccttcacctc cttcgacacc gactggatgg gccgcgagat gtaccacggc 240
aggcccgacg gcagccccga ggaggtggcc aggttccagg agggcggtcg gcaaggcgcc 300
ttcggactgc tctcaactc cgtcgtcctc ggagccagct acttcctcat cgagcccatg 360
tg 362

<210> 25778
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H9

<400> 25778

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ggcctgaggg cgtgcggcac ctgctgccag cgctcgggct gcgtcccgcc gggcacctcc 120
ggcaacgagg acgtctgccc ctgctacgcc aacatgaaga cccacgacgg ccagcacaag 180
tgcccgtgat ccatccaccg tggttcccag catcagcagc tttgccaaaa agacatgata 240
cctacatata tataagagta cctagctgct gctgctctac taccttgctg gttcattata 300
ttgtgcgcgt gcatgcatga ataaataaat gaacatatta cggcatgtac aatccagata 360
cggctgcacg gtactccaag ttcaagatac aactgaaaca caacacaata ca 412

<210> 25779
 <211> 330
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-A1

 <400> 25779

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 gcaaagtctg ctcaggcgtg ctcttgatgt cttcaccgtg gagccccgc ccaaggacag 180
 caagctggag ttgcatgaga atgtcactgt aacacccac cttggagcta gtactgtcga 240
 ggctcatgaa ggcgtcgcta tcgagattgc ggaagccggg ggtggtgcac tgacagggga 300
 gtcgcagca accgctgtga atgcgccat 330

<210> 25780
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-A10

 <400> 25780

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 gcacccttg ccttgcgtcg tccgcgtccg tctccttctc cgagaggaag ccggcgggcg 180
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 tgtcgtccgg cgatgccgtg ctcgtcatga tgccgatgga caccgtcaag gagtgcagca 360
 ccgcgctgca ccgccgaaag gcagtgcatt ccagcctctc cngctcaag agcgcgggch 420
 tcgagggcgt catggtggac gtgaggtggg gcat 454

<210> 25781
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A11

<400> 25781

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gacaagacaa cgcgacgcgc gcgcatacgt cgtccaaggc acgcaggggc cagccaagcc 180
aaccaatcgc gtccgtccgg gtctggtggt ggccggaatg ggcctcctcg atcagctctg 240
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ctgcttctcc cctactcct cctcctcctc gtctccatc ctggcccccg cgcggcgcc 360
ggcgccgtcg gtgacgcgca gcatcaccat cgcgcgccg ccgtcgctct ccgtcgagtc 420
ctacagc 427

<210> 25782

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A12

<400> 25782

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ctgggcgagt ttctgtctgg ttctcgtcc ctccggagag attttgcgat ccttggcggt 120
actgttcgat tgcaaacagt attgctgctt ctctgaggag gcattagggc tatgggcagt 180
tgaactgaac cgcgcggcga gaaatccatt cgtgggagag agaaatcaaa gaggagagtg 240
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atcttttggg gagctatata tcggtgttaa tatacagaat ggtgaggaag tgggaataaa 360
attggagcct gtgaaaacaa aacatccaca gctgcactat gaatctaaag tttatatgct 420
actgcanggt ggaaatggta tcccacacct c 451

<210> 25783

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A2

<400> 25783

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catgctctgc gttggtttca acgcttgagg tgaagccaga gatttgcttg ttgcaacaag 120
attggatgcc accacaccca agtactccaa ggcccgttat gatgagattg tgaaggaagt 180
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tggttttcgaa ggtgacaaca tgattgagag gtccaccaac cttgactggg acaagggcc 300
aaccctactt gaggcttttg acttgatcaa tgagccgaag aggccttcag acaagcccct 360
gcgtctcccc ctacaggat 379

<210> 25784

<211> 246

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A4

<400> 25784

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gaaaaggccc acttagcaac caccagcagc agcaggccaa ccggttcgac gacatggccg 120
gcttcggggc cggcgccgtg ttggcgctcc tagtgggcgt cgcgggcgtg gccgcgttcc 180
tggcggtgcc ggcctcggcg aagtcggggg agctgatcgc gatgggggtg ctggcgga 240
agggcg 246

<210> 25785

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A5

<400> 25785

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caagccgaac gcgatcgtgg ccaaggacgg tagcgggcag ttcaagagca tccagcagcc 180

cgtggacgcc gtgccaagg gccatcaggg gaggtacgtc atctacgtga aggccggcct 240
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gcctaagcaa agccgcgtga ccggccgcaa gagcttcgcc gacggcatca ccaccatgaa 360
gacccgcacc tctnctcga ggcgtccggg tcatct 396

<210> 25786
<211> 337
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-A6
<400> 25786

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ggtttgaatt agttgatttc gcagttcagg gtgcgcatct ggtgagtagg gatccagaga 120
acgggcgttt tgagccggat ctaggggtag tggccactgg gctagcttag ctttccgcta 180
atgacagtat agtgacgccc cgtgcttttc tggttctaga aggggtgcgc aggtgctctt 240
gctgtgtgat ctttgtcgcc ttgtgacgt ggggaccggg ttattggcgg gagtttgtca 300
gaataatata taaagaactg gtgccacgaa atcgggg 337

<210> 25787
<211> 448
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-048-Q1-K1-A7
<400> 25787

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gttttgtcca actgaatcac atgtacactg gtactatgca aaaattacca acaaaatcaa 120
atacagattc aaatatcatg agatgctctc aggttccaag attcaagtac ctaccaatca 180
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ttgatgataa tgcaagtctt gttggtgctg ctccattgct taagtcattt gttactcagg 360
tggggaccaa atttggggag aacacatcga gatgggggttc catgctctct gatggacagg 420

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448

<210> 25788

<211> 168

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A8

<400> 25788

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ggttgcccaa gacgctggac ggacgccacg tgggtgttcgg tacggtcgtg aaagggatgg 120

acgtcgtgcc caagatccaa tcctaggggtc aggttaaccg cgttccca 168

<210> 25789

<211> 449

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A9

<400> 25789

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gcgttgact cgacagccac agtaggttca cgcgtcggac ccgagacaaa tcctgacct 180

cgacaatcgt tgtacgagta ggcgtgacgg atgcgtcacc aacgctggcg cgtgccgcta 240

caatgacact cgcacgcgtg ggtacggctt gcacacagtg tacgtgagca ctgtgctgtt 300

cggagaccgt acggnctgct gacgggtgcta cgaggtgctg cgcgtgtaca gctctagcag 360

gtgcaagcct gaagcggcag agctgatggg gacggtgacc gaactgtgcc cgtgctaaga 420

ccaatgatgc aagccaccgc ggtaacact 449

<210> 25790

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-B1

<400> 25790

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gccttgatgt ggggtgcccag ttcctcgtcg ggcagtgccg agcgtacacc gagaaggctcg 180
cgctctcgcc gatcaagtct ggaggacgag ctgctcagaa cgcgctcgtcg gcattgaaaag 240
aagtcattggg ctctacaca aatgcaatcc gccgtcgtct acgtctcgac caacgcgtga 300
ggttacgagc cacctgaaga acaagttggt agctggaatc tcaagtgccg ggtcaagagc 360
aggtaccgca ggatgaggcg catggaggat gctgtgacga gttcgtgaga ggtctangcc 420
gtcgtctccc agtcaa 436

<210> 25791

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B10

<400> 25791

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ttgctgctgc actcaaggag aaagacgtat ggttgacgaa tggtgagcca catgatgaac 180
catgcaccct caagataatc tatgatagag ggctgatcgg cagcaatcac gactgggtgtg 240
aagccttctc aacctatcct ataacatacg atcttctaca cgcattggga gtcttttctg 300
accttgataa aagaggctgc agtgccgatg acctgctcca tgaaatggat cgtatcctca 360
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accttcacgc ac 432

<210> 25792

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B11

<400> 25792

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 gaagagacgg atgcgcctgc caaggcacca gctgctgcag tcaccgaggg gcctgctgag 180
 gtagcgccca tgacatggcc gaatggcggg cctgagttcg tcaagatggt catcaagaac 240
 cccttcttta aaagcgcacc tccatatggt agcgaagacg gcctacccat tgacccact 300
 acagaaggca gcatgaacta aattaaatac caattacgag accgaccaga tatgcatgga 360
 gcatgcaaga atgttgctga acgaatatat gctatgaatg gttacatgta ctggctacat 420
 ttagttcaac ttaatttctc tagtgcgctg aaagct 456

<210> 25793
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H7

 <400> 25793

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 gtcgcggagg tggcgcgcat ggggctcgcc ggggacgggt cggcggacac cgcccacctc 180
 agtaataatg aaaatgggcy gttcatttat ggagttgcga gttctcctgg taaaagagca 240
 tcgatggagg acttctatga ggcaagaata gacgacgttg atggagagaa aattggaatg 300
 ttcggtgtat atgatggtca tggaggagta cgagcagctg agtatgttaa gcagcacctt 360
 ttcagcattt taatcaaaca ccaaagttc atcactgatg ccaaagctgc tatcgncgaa 420
 actta 425

<210> 25794
 <211> 370
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-G10

 <400> 25794

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 agacatcctg aacatgtcaa ccatagcatt agaatgctgc aatcaatatc taacaatgct 180
 tgcaaaccag atgaaacaat ggataagcac tactacgtag atattactct ttacaaaaca 240
 tgggattata caaaaagcct acagcttttg gaaagatgct tatagatcca acatgactgg 300
 agacaagcca taactttgca aaggctccct gaataaaaaa ccaaagaga tggctctcatt 360
 ggcatggcta 370

<210> 25795
 <211> 354
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G11
 <400> 25795

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 caacgacacc aacgccaaca ttaattaatt agtagtctcc atgccctggg attgcgcgta 180
 ggctctacgt tcaacaccac ccacccctcg ttccggcattt tttccccctt gggtatataa 240
 ttacattgta tcgttttggc aaatcatttt gtgattcgac cccaaagcaa gtttggttgt 300
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<210> 25796
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G12
 <400> 25796

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 taccgtgtcc tggaggtcac cctgggtgctg gcaaatgacc tcaagaaagt gtcgctcttc 180
 tcccggactc gcactacgc cgtggcttcc atctccggat tcgacctccg catcccttcc 240

cacagcaccc aagcagacca cagcaacggc tgcaaccct gctggaacgc cgtggtacac 300
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 cagcgtctat acct 374

<210> 25797
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G2
 <400> 25797

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 ggcgcctggc ggttccgctg ggccccatgc ccgcggcgca cgcgctgctg atggccggcg 180
 cgtcgtccgc catcttcgcg gggacgctgc tgtcggcggt ggccgagata cgggacacgc 240
 ggtggctcgtg gcgacgccga agccgcagca ccccgttcgc gagactcctg tgcttcccg 300
 ccgggacacg ctctcagcg cgcagtcttt ttctgggcct acgcctacta 350

<210> 25798
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-G3
 <400> 25798

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 ttccatcaac atctacaacg gtgggtttata ctgacctat gacgactctg ataaacattt 120
 agttacaata cattatcaac acttctcttt ctcttcaac aactctgaga attacatcat 180
 gaaaggtata ataaacctcc aagaaaagca aatgaagaac tttagatac actatgcgga 240
 cggtaatctt ctatgactaa ttatctctc cactttcact taccactctc ttcgactaac 300
 ttttgaacat agatatccat tgcaaattcca aacctaaaat c 341

<210> 25799
 <211> 230
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G5

<400> 25799

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actgagactg ctctcatacc cgacggcgac ttactgcgta gggatcttaa cttgacaggc 180

gattgcaagg accacgtgac catacaactg tactgtgact tggctctaaa 230

<210> 25800

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G6

<400> 25800

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tcatggggcg cctacttggc gctatggctg gccctacacc tagcgctggc cctggccgcg 120

cagcgcttgc gcctgcgcct gacggttccg ctgagcacca tgcccgcggc gcacgcgctg 180

ctgatggcca gcgcgtcaac cgccatcttt accgggacga tgctgtcggc ggtggccgat 240

atacgggaca cgccgtggac atggcgacgc cgaagccgca gcagcccgt gcggacactg 300

ctgtgcttcc ctgcccggac acgctcctca ggccgcagct ttttctgggc ctacgcctac 360

tacctggccc gct 373

<210> 25801

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G7

<400> 25801

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cgctgacgcc ttcagcgctt ctgaagctta caacagcagg ttgaggcaga cgcttgacgc 180

caagcagctc aagactggaa tgatgcacaa ggggaaggtg aacaggggtg acttctcagg 240
gccgctgctg tcgcagcccc ggcgcatcga cgagctcctg cacatccacg agcagcagat 300
ccggcaagct ggtcgccggc catggttcat gaaaggcacc gaggaggagg agcactgatg 360
gcagagacac ggcattggaca caactaaacg cccatcagat ttgcacgtac ttaccacaga 420
gcaggagaag atgctg 436

<210> 25802
<211> 97
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G8

<400> 25802

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cgatatgtaa agagggggaga atgggagaca ctattcg 97

<210> 25803
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G9

<400> 25803

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cgcgaactat catgggggtg ctccctctgca tgatattgca aagcaaattg ctacatacaa 120
tgctaccagc ccatcatcac tgcaacacaa ggcacggacg acaactacta c 171

<210> 25804
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H1

<400> 25804

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atccatccat ccatgctaca ttgagctca ttgctgtta tttccaatc ctggttagtt 180
 cttgtaagct aaccccgcat ccgataagct aatcctgtaa atggcgcaag gagcatcagc 240
 tctggactgc tcctgttgta gagaaaaaa aatactacag cttagagttg gggaaggagg 300
 gcaatctgga aattcatcca aagctttgtg gcgtaacttg attatatatg tacttttgta 360
 aaacctacca gttgtggttc aaatccaccg gctactaact aactagccta tgc 413

<210> 25805

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H10

<400> 25805

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 cttatcatca gcgggaagtg gacaaactac catgaaatac tcatcaggaa ctcgatacag 120
 gtctattcgg tatagccgca ggactagctg gtggactact tgctcttgga ggtgggttca 180
 ttatggggcc actgctcttg gaacttgga tccctacaca catttcaagt gctacagcta 240
 cctttgcaat gatgttctca tctaccatgt ccgctgtcga atactaccta tggaaccagt 300
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<210> 25806

<211> 375

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-H11

<400> 25806

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 gttccgccgc agcgccaccg ccgtcgcttc cttcgacccg gcgcaggacg atgagctcct 120
 cgcgctcgac gccctccagt cccacgttgc cgcgcgcttc caggcgctct ccgcgcacgc 180
 caccctggc cctggctccc cgctgctcct caccctccct ttctctcgg agctcctcga 240
 cgcgctcgtc tcctctgacg acgccttcgg cggagtgtc gcgctggccc cagtcgccgn 300
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gacgctcgac gttct

375

<210> 25807

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H12

<400> 25807

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aaagttggta taagggggca tgacctacag atgtgcactc ttttccaggc acaataaat 120
ggaaactggg atttcacagt aatagagact ctaccatcag ctacttcata ctcaccaa 180
ggagaactgc aaccacatt acagaaaatg cggattcttg ttggacaacc actaaagcag 240
cctgcaaatt acattagtgg ggatttcatt attcctgtga tggcagggtg tgattcaaca 300
cccgactatg gatttgagtc attttttgaa gatcaagatt gctgcaaagg tttgagtgga 360
tttctaatat 370

<210> 25808

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H2

<400> 25808

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tacacggtct ccctcttctt gtcagtagta gagtgagagt gaggcagcga gtgggagaca 180
aggggaaatg gggaaggag cgcaaggag cgatgcggcg gcggcgggcg gcgaggtgga 240
ggagaacatg gcggcgtggc tggttgcaa gaacaccctc aagatcatgc ctttcaagct 300
ccgcccgtc ggcccttatg atgtccgcgt gcgcatgaag gcagtgggga tttgcggcag 360
cgatgtgcac tacctaaggg agatgcgcat cgcgcac 397

<210> 25809

<211> 455

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H4

 <400> 25809

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 cgacgacctg catcgtccat caggcccccg ggactctcca aggntgaaca tcactcggcg 180
 tgacccttgc gggcccgggc acggcgatca gcatnctgac agcctagggc cgggtacaatg 240
 gatgagaagg acgtcacttg atatcaaccg tcaagggact gcacgcttaa gaagacgtgc 300
 caatgggcgt ccgcatcaag gcattatgag gacgtgcct ccgtgcctca accgcctgca 360
 agaatccact ttatgagaat atcaagaatg gaggggaactc gggcctaccc catcatcatn 420
 cgacatgnaa gtacttgccc caacaagggt atgca 455

<210> 25810
 <211> 293
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-G1

 <400> 25810

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 cgatctagtg tgagaaccaa gggaaattta tattgaaagg tttatgaaac ataccgacac 180
 tgggaaatga cgaactatca tagacgttta cggtcgggag tcttccatgc tgaactctat 240
 catgcacttg gactttggac ttaatgcgga tgatctacga ctagagttat cta 293

<210> 25811
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H5

 <400> 25811

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ggatctctcg caggcggact tcggtcgcct cgagattgag ctggccgagg tcgaaatgcc  180
cggcctcatg gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg gcgctaggat  240
ctcggggctct cttcacatga ccatccagac cgccgtcctc atcgagaccc tcaccgcgct  300
cggcgccgag gtccgctggg gctcctgcaa catcttctcc acgcaggacc acgccgncgn  360
cgncatcgcg cgcgactcgg ccgtcgtgtt cg                                     392

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<210>      25812
<211>      331
<212>      DNA
<213>      Zea mays

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<223>      Clone ID: LIB3066-047-Q1-K1-H6

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attgatttca ctgtgaagag tgaaatgagg ctaagtattg ggcaagtcca tcggaatgtc  180
cttgactggg catcttcttt gtcagtgttt gttctgagag atcgtgtttc cttcaggatg  240
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gaccaaatca agggaatacc attgactctt g                                     331

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<210>      25813
<211>      383
<212>      DNA
<213>      Zea mays

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<223>      Clone ID: LIB3066-047-Q1-K1-E2

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<400>      25813

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ccaataatcc gatcccacag aaacttttct ctcggtcctg tcgatcgatc gctgccgtgt  180
cgtttgccag acaccatcag caccctaaac catggcctgc aacctggctc agtgcgccac  240

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cgccgcccgcg ggcaccgtcg cgccccgcac ccctcgccct gctgcgtccg cgcccgctctc 300
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<210> 25814
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E4

<400> 25814

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 gcaggacacg actgcgccac cgcactcctt ctggaggcgg tcgtggatgt cgctgatgga 180
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 acgcacgacg gacttcgacc tggg 384

<210> 25815
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E5

<400> 25815

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 ctacgttgcc gatagtgatc gcgacgatgt aatcgagatg cgcaattacc tgaccagcgt 180
 gtacgaggaa ggcgacacca ggtcagccct gattgccatg gtccaatcac ttcagcatgc 240
 taagaatggc gtggatatcg actcatgcag caagattcga acgcattttg caaggccaaa 300
 ctggagaaaa gtgttctctg attcggccaa tgcccacaag aactcacgca tcggcgtttt 360
 ctactgtgga tcttcaacac tgaccaagac cctgagagat ctttcgatag agttcagcag 420

taccacgacg actcgg

436

<210> 25816
<211> 376
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-E6

<400> 25816

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ttgacgggca gggcccagcc gtgtggagca agaactcctg caccaagaag tacgactgca 180
agatccttac caactcgctg gtgatggact tctgaacaa cggggagggtg tccgggatca 240
cgctgctcaa ctccaagttc tttcacatga acatgtacca gtgcaagaac atgctgatca 300
aggacgtgac cgtgacggcg cccggggaca gtcccaacac ggatggcatn cacatgggcg 360
acttattcgg gatcac 376

<210> 25817
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E7

<400> 25817

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tggcgctcta tgtggacaac acctcgatatg gacgggagta caacgtccag gatctctagc 180
aagcgcactt agctcgctt gagattgatc tggcccaggt cgaaatgcc gaactcatgg 240
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ttcacatgac cattcacacc ggcgaactga tcgagaccct taccgcgctc gatgccgagg 360
tccgttggtg ctctgcaac atctttcttca cacaggac 398

<210> 25818

<211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-E8

 <400> 25818

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 agcatccctt tgttcaattg accccaccac cgcccgctgc tgcttcgttt ctagctcgag 120
 agagttagt ggggttgcttg attccgaagc tccgagctcg tgggattgaa ttgagcccc 180
 ccaagatcag aattggagca gcggtttttg gtttcctgct tgggtgccgct gattggagta 240
 cgcttctttt gtgggtggttg agaggctgct cggttccgc cgaccatgtc cgtgccggcg 300
 atagccgtgt acaccagccc gcccggcgcc gtctacgcgc cgtcggagct cgagtccagc 360
 tcgcgcggct cggcgccgtg cgc 383

<210> 25819
 <211> 64
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-E9

 <400> 25819

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 ggtc 64

<210> 25820
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-F1

 <400> 25820

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 catctccgtc taacaatacc acaactatct cttctattac taaaccct aatttatatc 180
 atatctctac tcatcagttc cactaatcaa cttatctttt aattacaaca atctattccg 240

actcattctt aacacttaca catctttcct cacttatcaa atctactccg tccaattttt 300
t 301

<210> 25821
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F10

<400> 25821

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tggtcacgta ggaatcttgc atgctagaca agaactcaca ccatcaatac acacgaccaa 120
ctggtaatgg tagcggcctc cttaattacc ggcattgatgt gcttaaagaa tgattattat 180
ttcaatcata ctgtgcacca ctacctggac aaattgctac ctgagcacia gacatacatt 240
ctcaagactg ttgcatgatg ctatcttgaa ctagcaagac atcactatgg ctctgcgctc 300
ctgacgataa tggttgggtca ttcaactgat gaacacagaa acaac 345

<210> 25822
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F12

<400> 25822

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gaacgaacgc gaagggtgtg ctgtcattta gagcgtcttg attggatttg acctgttggc 120
ctgggtggcgt gccgtcggtg attgagctcg aggatgatca agtgggggct cagcagcggc 180
acgcccgtg attcctacta cgagggtcgg tcagattgca cggaccgtgt gcccaagagc 240
aagttcaaga ttaacgctgg caaaacatta agtgctcgga aatggcaagc tgcatttagt 300
cctgatggct gtcttgatat tgcctcagtc ctaagcaaga tacagagagg aggtgtccat 360
tcaacagtca gatgagaggt ttcgggactc ttacttggct gttttg 406

<210> 25823
<211> 402
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F2

<400> 25823

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tacatactac atcatattat acatttaatc ttattttctt tagcctagta ggccctcatgt 120
tttagtttcg tacaggggtct cgaattttct cgggacggcc ctggtaccag gcggtggtgg 180
cgcgggggtg gtgcagcgac gacctcttct tcttctccaa ggcacgcaac agtgatggta 240
agtcactcgg gtcggggcca caaatgggag gaagcgagga gtcaaggagg gaacatggtg 300
gagaatggaa gtcgatgaga agggaaggga cgccgcctcg gcagtagggg caggcgccta 360
ccttggcatg acgacggaag ccacaatgga tgggtgcgct tg 402

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<210> 25824

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F3

<400> 25824

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catgcaatta ctttacctgc taatactata actccagcta ctatacacac tacttcttct 60
gcatttacta ttaaaaaaac cccaaattta aagcattata catatccgat taccgacaat 120
ggataatagc ttttaaacac aatgaatcta ctttgactac ctttactatt gtacattttg 180
gataactcat agaaccacat actcttgatt atttacaaaa acttaattct atccaaaaca 240
tgtactctaa atctgcaaaa cttttc 266

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<210> 25825

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F4

<400> 25825

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catccatcaa ataaacaagc gcacacgaac aaatacctcg ccgccaataa tggccgccag 60
atcctccatt gtgctcgcca cggcgatgct agctacacta ttcgcggttg gtttgtgcac 120

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caccccgctc accttccagg tcggttaaggg atccaagcct ggccacctga tcctcacccc 180
gaacgttgcc accatatccg acgtggagat caaagagcat ggtggcgatg acttctcctt 240
tacgctgaag gagggcccga ccggcacctg gacactcgac accaaggccc cgctcaagta 300
ccccctttgc atccgctttg ctgtcaagtc tgggtggctac cgcacgccc acgacgtcat 360
ccccgccgat ttcaaagctg gcaccactta ttagacga 398

<210> 25826
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F5

<400> 25826

aattgactcc acaatcaaga caatacaatg ctgaaaatgg acggcgacat ggcaactgcgg 60
aacaagcaat tcctagtctt gctgatactg ttagtccagc taggaaggac aatacttcaa 120
ctgcgtatgc tctcaaagaa gcccgatgatt taaagcataa ggctaatacgt ttgaaggaag 180
aaggaaaaga gcttgaaagt acaagactct actttgactc cgccttaaaa tttttgcatg 240
ttgcatcact tttggaacct cctagttttg atggtttgaa acaaggcgat gcagcccaga 300
gcatgtattc agatactgca aaactttgca actttgctgg tcacgcgtat gaaaaatgca 360
agaagatggc tgctgctgct ttagcataca agtgtgttga agttgcttat ctgaaggctg 420
catact 426

<210> 25827
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F7

<400> 25827

taattccggg agccacccat tcgtgcttac attcgttcta atcatctatt tttttttgat 60
acacgatccc caatattaca cggatcggtc attcaagttc ctggtctgcc aaatctataa 120
ctccagttac tatacacact acttcttctt catctactat tataacaacc tcaactttaa 180
agcaaaatgc ttatcatatt acctacaatg gaaacgtact ttcaatcaca agactctact 240

ttgactatattt attaatatattg taccatttcg tacaattcat ataaccacat actcctgatt 300
 atttacaact acttatatct atccaaaaca tgtactcaaa atcttcaaaa ctttgcaact 360
 ttgttcgtca tacatcatcc aaac 384

<210> 25828
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F8

<400> 25828

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 acgcgcatgt ggtcaacctc accgctaacc aggagtactg ggccggagcgc gctgaggctg 180
 cgcacgcgta caaccgcgcg gtgtaccaga ccgaccccggt ggccgtcgtg caacgcttca 240
 acgacggcgt gcacagggcg acggcgacgc ggtcgcggtc cctggcgcac agggcgcggc 300
 gccctgcac ggacaccaac ctcatcgacc agtgctggcg gtgccgacgc 350

<210> 25829
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E12

<400> 25829

cccacgcgtc cgcccacgcg tccgcccacg cgtccgaaac tcttgaagca gtatggtgtc 60
 ggtgaccctg aatcaagga ggaggtggtc gacagctccc ttgaattcct catccttgct 120
 agtgatggac tctgggatgt tgtcactaat gaggaagctg ttgccatggt caagcctatt 180
 caggaccccc aggaagcagc aaacaagctt ctgaagaag cgtcccgaag gggaagctct 240
 gataacatca ccgttgatc cgtccgcttc ctatatggaa ctaccggtga taaatcaagc 300
 gcagacaaag agaccaccaa tgacaaaac tcctaattac ctctgtagg gatccctcat 360
 gcgtgtgttt tcttc 375

<210> 25830

<211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-F9

 <400> 25830

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 ggaccccatc tgggtgcggtt ctgggggttcg aggagcggcg aggcaggtgg gaaatgaggg 120
 atgtgggtcgt ggttgacgaa gattgctgcc gcgtgcttgg gcccggtccg gaggtgcgcg 180
 cgtacgagga aggatgagga cgacagcgat aatggccgcg gcgtcaccga cgacctgctg 240
 tggtcgcggg acctcgggcg ccacgcggcg ggtcagttct cgtttgccga catgcatgcc 300
 aacgaggcgt ttgaggacca cagccacatt gagacaggct cttccgcaac tt 352

<210> 25831
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-C9

 <400> 25831

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 cgagaaggcc atcatcggcg tgggcgggtt cggcaacgtg tacgtcgggg agatcgacga 120
 cggcaccaag gtggcgggtga agcgcgggag cgcggagtcg gagcagggca tcaacgagtt 180
 caacacggag atccagatgc tgtcgaagct gcggcaccgg cacctggtgt ccctgatcgg 240
 ctactgcgac gagaaccagg agatgacatc ggtgtacgag tacatgcaca acggcgtggt 300
 ccgggaccac atctacggca gcgaggggaa ggcgccgctg ccgtggaagc agcggctgga 360
 gatctgcatc ggcgccgncc gggggctgca ctacctgcac acgggcacgg cgcangggat 420
 ca 422

<210> 25832
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-D1

<400> 25832

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caaatctatc tggggatcgg agcgcgggcg acaagatgcc acgcggcggc aagcccgcgg 120

cttcgtcgaa gccgaacccg ttcgactcgg actcggactc ggagtccagc aataagccgg 180

cgaacaagtc cggggcgctcg tcgtaccagg ccccgccga cgccaagaag cgggtacaagg 240

acgggttccg ggactcgggc gggctggaga accagtcggt gcaggagctg gagcactacg 300

cggcgtacaa ggccgaggag acgacggacg cgctcgccgg ctgcctgcgc atcgccgagg 360

acatcaggca ggacgccagc gacacgctga tcacgtgca caagcagggg gagcagatca 420

gccggacgca c 431

<210> 25833

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D10

<400> 25833

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ccggatgcc ccgtcacgtg ggccgagtag agatcgatga ccttcaccaa tcaggtcac 120

atggagatgg tgaggcttgc gaacatcgtg ccggggatat ttcgaaaggc cctgcaagac 180

gttgagatca aaggctatac gattccggcg ggatggggcg tcatggtgtg cccaccggca 240

gtgcacttaa accccgacat ctatgaagac cctctggcgt tcaaccctg gagatggcag 300

ggcaaacctg aaatcaccgg tgggacgaaa cacttcattg cgtttggagg tggcctcaag 360

ttttgcgttg gcac 374

<210> 25834

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D11

<400> 25834

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gcgaccgccc agccgcgga tctgcgccc cgacgcgccc ggacgtcgga tctacgccgc 120
 cgcaggaggg gggaggcggc gctgtggccg ttctctgccc gtgagcgccc ggatccgtcc 180
 cgccgcaagg attatggatc cgaaagagaa gccaaatgta tcgagcagtc caccaacacc 240
 acggctggac tgcataaaat gctttgatat gctctggttc tgttactcac cattccacca 300
 gatgcagaat tattaccggt atggggagtt cgacacctgc ttcggcaagt ggggcgatct 360
 tatgggctgc ctgcgtctca agaacaagc g 391

<210> 25835
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D12

<400> 25835
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 ggtcacagat aaaattgaac tctgaaattg tgaaacacct gggtagtata catgaatatt 180
 tggagatgat gatatacgtt catcatgcat ttacagatcg ctctaattgt ttacattacg 240
 tgcaaattct gtcagcagat ctgttttccct tgcatatcag ggcaaggaga cttgaatcgt 300
 cgtacgcacg aaatatgggg cacgagt 327

<210> 25836
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D2

<400> 25836
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 ccttcttgca aagcgtgcaa tacaacattt tctagaaaga aagcgccggc atgaactgca 120
 aaaaagggtc ctaactcctt atgtcatttc cttttagaac attcaaatec aattgaaatg 180
 tagtagcatt atttaagtgt ttgggttttt aaagaggttt atattttctgt tttagccatg 240
 gatagaatgt aagtgacttg tgctgttacg atttatttgt aagaactttg taacctctgt 300

atgcctatct attgacacat gtgcaacgtg tagctaattt taaatttgta gacgtcacat 360
gaaattggag aagactatac tgcaggggtga ttaagtgaat atg 403

<210> 25837
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D3

<400> 25837

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tcaccagga ctgcttagag atactctagc ttttcatggt tgtgctgaac tgttccagga 120
tattcataca gaacttattc agtatagaag gaatcagatg attaaacgag gaacagtaaa 180
ggagcagcta acagttgatt cagtgtccag gaagatggct gggttgtgtc cactcatgcc 240
agaagagggt ggacttctac ttcaagcatt aggttaccca ccaactacaa taatattctt 300
ggctggttcc gagacttttg gtggacaaag aatgcttatt cctctacgag ctatgtttgc 360
taacctagtc gatcgaactt cattatgtat tcagagggtg ctgtttgatt ta 412

<210> 25838
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D5

<400> 25838

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gcatcgtttc ttgctctcga gtgctgtccg gacactaaat cccaaggaag ctgattgggt 120
ctatacacca gtttacacta cttgcgattt aactaacgct ggactgccct tgccgtttaa 180
gtcaccacgg gtgatgagga gcgcgatcca atatatttca aacaaatggc ctttctggaa 240
taggactgat ggagcagatc atttcttcgt tgttccgcat tttgcagcat gcttccacta 300
tcaggaagaa aaagctatcg agcgtggaat tcttccattg ctgcgacgtg cgacattggt 360
ccaaaccttt ggacaggaga atcatgtttg cctgaaggag ggttccatca ttattccacc 420
ctatg 425

<210> 25839
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D6

<400> 25839

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gggctctgct ctatctcaag aagacttcat tcatgtgggc accagcagtc actcaggggg 60
gggggcgggc gaccaggagag attaagaggc gatggtccgc tgcaatgcat gcatgcggat 120
atatgcatgc gtaaacacat cgagacgccg aaaaattgtt cttttatatt tatgtatatg 180
tacatgcata tgtctcctga ttcaactttg atgtttattg tctctttcgc tttcgtactg 240
aacttctgtg tgtaagttga tatatggatc aatagattgt tattcactat atatactatg 300
gcttcttgca gctgctgatt aaaaaaaaaa ttggccatgc ctgtcacaaa tggcattcgt 360
ccaaaagcgc ctgaacaata aaaagggg 388
  
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<210> 25840
 <211> 410
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-D7

<400> 25840

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agtaaaaagg gtaaatggga tcagaaggac cttcagttgt cactgtccat gttactggat 180
ttaagaagtt ccatgggggt gctgagaacc caactgagaa aattgtgacc aatcttaa 240
ctttcttgga aaagcgaggg ttgccaaaaa atcttgcct cggaagctgc acagttctcg 300
aaacagcaag ggaaggggca cttgccacat tatataaggt tntagagtct gctgttgag 360
acagaggaac tgggtcctcg gcccatggac aagtaatttg gatccacttt 410
  
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<210> 25841
 <211> 388
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-D8

<400> 25841

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cgtttgcctt cgtctccgct cggtacgccg cggatgcgga ggcggacttc ctccgcatct 180

ccgcctcgca ggaagacctt ctgcccgcg ccccttcat caccttcaac ccggaggagg 240

aggaggagga ggaggccgag gtgtccagca cgccgcctct cacacaccag gccccgcaga 300

ggcaggggga agagggcatc gccatgtgct ccatgccctt caccagcct tcctcccctt 360

ctneggctcc ctccccttcc ttggggag 388

<210> 25842

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D9

<400> 25842

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gcgctggcag gccgccgcc ggctggacgc cgtcacgcgg agggagatgg ctccgcacga 120

cacggaccgc gacggtgccg tcacgctgcg cgagttcttc gcagactgga tcaacatggg 180

acatgacaaa atgggggtggg ggatgcacaa gtttgcgagc ggcgacagag acggggacgg 240

ctcgtcaac gccgtcgaat tcaacgactt cctgcatcct gaagacagca gccaaagagag 300

cgtgatgctg tggctactca aggacaagct aagcgagatg gaccacgacg gagacggcag 360

gctaagccag gaggagttag tcgcccaatc tcacatcatc atctccggcg cgcgtcacgc 420

cg 422

<210> 25843

<211> 171

<212> DNA

<213> Zea mays

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<400> 25843

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gagccgggcta gaccaccatg agggagcgtc gaggacccat cagttgcgtc gccccctgcg 120
tcctacctcc ccctcactcc ttcctggggt ttacgtgggc cacactgccg a 171

<210> 25844

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E10

<400> 25844

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ccctgcttca cctttcgggt ttgggtgccca cagcacaaca ccttaaccta ctatagcatg 120
cttatggcat accatgtact gcaagtcaac ttgggtgttga aaaatgacct cataatagta 180
tcgctcttct atccgactca catctactct atgggttaca tcttcagata tccacttgcc 240
attacttcac acagcaacta agc 263

<210> 25845

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-E11

<400> 25845

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ggatcgccgt ggcttacgag ggctctaca acgaacccat catcgacaga ctccactccg 120
agctctccgg cgaattccgg agcgcgatga tgctgtggac ggtggaccgg gcggcgcgtg 180
acgccaagct cgcacacaag gccatgaaga agcagggcga gcggtacgtg tgggtgctca 240
tcgaggtcgc ctgcgcgtcc gcgccggacc acctcgtcgc cgtcaggaaa gcctaccgcg 300
aggcctactc cgctnccctg gaggaggacg tcgccgcgtg cccgctctac aaggaccgcg 360
tcctcaagca gttcttggtg cggctcgtga gctcgtaccg gtacttcggc gagctcgtc 419

<210> 25846
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C8

<400> 25846

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gtgctgacca cggtgcccgg cgtcgcgctc gccaaagtcga agctcgccaa gaagagcgac   180
gacgtcgtga acggggccct cctgaccgag aagatccagg cgaagaagac gctgatcgtg   240
gggccggacg aggagttcaa gaccgtgcag tccgccatcg acgcggtgcc cgccggcaac   300
gccgagtggg tcatcgtcca ccttcgctct ggctgcaca ggggcaaagt tgtgataccg   360
gagaacaagc cttcatctt cgtgaggggc aa                                   392
  
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<210> 25847
 <211> 250
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B12

<400> 25847

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cggggaaaag ggcatggcga gagaaacgag agcaacacac acaatgggga gctcaaagac   120
catagatgcg tacacactgc cactaaacga gctcctgctc cagactttcg cgaccaccga   180
aaaggtaaaa acagtgcacg aactgaattg aaaggaccaa atccaaaaga cattcaacca   240
agtgcactaa                                     250
  
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<210> 25848
 <211> 219
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B2

<400> 25848

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atacctggaa ataaatttgc agcttagctc taaagtaa atccagcccaag atttgtgaac 180
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<210> 25849

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B3

<400> 25849

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gaaaccgcag caacacgcgc cttcctgttc ctcgagcgat ccagatcggg cgtccgatgt 180
gttcctggaa gcgtcaccga ggcataactc gccgggtccc atccccaccg cgcacaggca 240
gcagcagcag ccgcattcgt acttcaaggt c 271

<210> 25850

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B4

<400> 25850

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cgatttggat ggcagaagcg gcgacaggat ggacctcttg gagacgtccg ccgctgtccg 120
caagagcttc tcagatcggc actgcacgac gcggatcgag aacctgacgc tgagctgcct 180
ggattctccc aggagaccca atgtcgacac ccgggagtag cgggtgtttg taggcacatg 240
gaacgtggga gggaagcctc ctgacagcag cgtaaaccct caagagtttc tgcagatcga 300
aggcttgccc gatatatatg tcttgggggt tcaggagatc gtgcctctga acgcgggcaa 360
cgtgctggtc gtggaggaca acgagccggc gggcaagtgg at 402

<210> 25851

<211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B5

<400> 25851

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catgcccagc agggaggagc gacacgccgc cgagcaccgt ggcaactggca ctggcaccgcc  120
caggaaaccg cagcaacacg cgccttcctg ttctctcgagc gatccagagc gggcgctccga  180
ggtgttcctg gaagcgtcac cgaggcagaa ctgcgccggtc ccgagcccca ccgcgcacag  240
gcagcagcag cagccgcagc cgtacttcaa ggtcagcagc aggttcgagt cggagatgaa  300
ggaggccaac gagatgctga tggagtccaa gaagctccgc gtcaacacga ccaagcccaa  360
gaccaagacc gtgacgttcg cgccgtcggc cgtggagcgc gagcagccgg gcccgggcgg  420
cgagaggagc ggc                                     433
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<210> 25852
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B6

<400> 25852

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caattgaagg cagaactcgg atcggcgagt cagtcggcat tgtgcatgga tgaatctggg  180
cctcgccgcc cccgtctacg ccatgggctg cgtgctccac ctcaccgctg gggcgctcgt  240
ggccgcccgc ccgtgcccgg accgcggcaa cgcgctgcag gcgcaccacc tgccggccgc  300
gccgtcgcgc gccgcgttcc cgtgggcgcc gaccctcttc gccttacaag aacgcctcgc  360
cgaggagggc aagcgcaagg acaggcgcca ctcgtgcg                                     398
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<210> 25853
 <211> 436
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 25853

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gactccgtcc cccgacctgt gcaccaggac ggcggggaag caccgcaaca agtacaaggt 180
ggtggacgcg gtgacggtgc tagagatgca ggtggacgcg ttcaagaagc gcgtgaaggc 240
ggtgcgaggc ctgcgaagg aggaggtcaa gacggccgcg acgcccagg cgcgaggggc 300
gctgaacctc tgcaagacct actacctgga cgccgncgac aacctcggcg cctgcaagcg 360
cgccatcggc ttccgcgacg ccgtcaccat ccgcgccacg atgagcatgg tggcgcacga 420
cacgcagaac tgcgac 436

<210> 25854
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B8

<400> 25854

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gctcgatcga ggagggaaaa aaaacaaaag ggaagcaggc aggtcgctga gaggggagga 120
attcgcaaac catgctttca gcctccgac cttcctcgag tgcttctgt ctggcggaac 180
ttcaactgaa acagctgacc tgactactag tgaagcaaat aaccaggaga gctctgtcca 240
ggacggttta gacaccactt gtgctaagga aaacaaggga aacgacggtg tcgataatgc 300
tgctgagaac tcgactcaaa tttcagaatc ctctgatggg ggccaactat cactgcagga 360
caacaagatg ggtgattctg atgctgcaga tgcgaaataga tcatacagcat cttcgacgat 420
cgtgtctgaa agcaag 436

<210> 25855
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-B9

<400> 25855

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cgcgacccgc ggcgagctg ccgctggcgg gcggcgggcg cggcgccctg aagccggact 180
tctatagcca gtcgtgcccc cgcgcgagc ggatcattgc ggaggtgatg cagacgaagc 240
atatggcgaa cccgacgacg gccgcgggcc tgctccgcgt cttcttccac gactgcttcg 300
tcagcgggtg cgacgcgtcg gtgctgatcg cgtncacca gttccagaag tcggagcacg 360
acgcggagat caaccactcc cttccccggg acgccttcga cgccgtggtg cgcgccaagc 420
t 421

<210> 25856

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-C1

<400> 25856

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gagccggagc cggggagaag aagagctcgc aggcgcccgc aaagcctgga gctgcgggcg 120
ccgcaaagtt cctcgcgggg ttgccgtcgc gcggcaactt ctcttcgggc tccgccccct 180
ccaatctggg agggttcagg gtttacgtct gcgagcacag cacagatccc ccagaaggac 240
aagttataaa gacggattca acgaatattt taatcaggca tctccagttg aacaagcaga 300
agactgaggg caaagatgtg gattccagaa ctgtcggcga aaacaacaga gggaaaagat 360
ctgctgccag aagtttggat gtcaacaatt cagcanagaa ggctaacttg ggtacttcat 420
ctggatcatc a 431

<210> 25857

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C10

<400> 25857

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tgcccttcca agttggaatg tcaaaggtag attttcgcaa gatgttgaag tctagcttaa 120
ctggacttga caagacaatc aatgcaatgt atagaaaact acagaagaat atgactgccg 180
aggaattgct gccttcgcta tgggaaaaat gcaagaaaga gtttcttgat aaatacgcaa 240
cattcctcaa gttgatttcg aaaatatatc ctgacgagaa agtgatatct gtgaacgaaa 300
tgagagatac tctagcttca ctgtagctat ttcgttagaa agttcgcagc tccgttggtt 360
tgcttgcgca ta 372

<210> 25858

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C2

<400> 25858

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acaagggtggc aacagatcgc accaccagca accagcatcc aaccacagaa gggttctgca 120
tgcaacacac tgatgggacg tgctaagcca acttgccatg aagaatcaat tctgaccaca 180
catactgtgc aggcacactt gactaccagc tgagagcagc gcgcaccata gctctgatca 240
ccacggtgta aacaccactt gtgc 264

<210> 25859

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C3

<400> 25859

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aataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa caaacattca actacattcc ttttttaata aaaccaccta 180
acttcattta acttcccttt atttttcacc ttactttact tctaaaaccc tgtctttacc 240

cattttaaaa ctcgtaaaat ctcatcctac ttttaacatt tgcactttta tcaaataaggc 300
 cctttcccat ctctcttctt aacaattttta gccccctaaa tggccctttt aacaatcttt 360
 gtaacgctta attaattact gaatctcccc tttttccccc ccttttt 407

<210> 25860
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C6

<400> 25860

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 tccccatctt cgccaaggcc atggagaagc tcagcgccct caaggttctc acggggaagg 180
 acggcgagat caggaagacg tgctccgagt tcaacaaccc gcagaacacc agcggcagca 240
 cgtcggtgat acggatcagc tccatcgacg ccgaccagat ggccggcctg tcgcagccag 300
 ggtcgacgtc caggaagggt 319

<210> 25861
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B11

<400> 25861

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 catcgagagg gcggtcgaga gaaacgagag cggcagacac catgggggagc tcgaggacca 120
 tcgttgcgtc cccctgctc ctctctgccc tctctctctt ggctttcgcg gccaccgccg 180
 aggcccgctt tgtccccgag ctgtttggcg aggaccaatt ccagcggaca tgcaaccagg 240
 tgcacttcag gaagatgtgc cagagcttga cgaggctccc gagggtgaca acgccgcgcg 300
 aactgctgct agcgtcgatg cgcgtcgcg cggagaaggc cagggaggcc aagagccggg 360
 tggacgagtt cgcggcgagg aaccacgagg gccggccgat ggagtccatc ctcgagacct 420
 gcagcaacgg g 431

<210> 25862
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C7

<400> 25862

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 tgggtccttc gacatcacca agttggggcg ctccggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcgtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggt gacttctctg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccatccag gtggatggca atctgctggc gaccacggac ctaagccagt acaaggacca 360
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<210> 25863
 <211> 326
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-H4

<400> 25863

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 agtaggaagc agaaaaagaa aacagatgga aatgcccacg ctatctatgt gcatcgaaga 120
 aggccggcga tcgcccgttc tctctcctcaaa actgcgctcg tgatcctggc tcgccggcgc 180
 cgtcgaaccc tctctcgtct cctgcaccca tcatcgccgg gacgccggcg cgcccaccac 240
 ggtcaatccg tctctgcccc cgctctncag ccgctgcagg agcgggctcg gcgtgcaggc 300
 cggcggcgcg tcgaagacgg cgagcg 326

<210> 25864
 <211> 202
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H5

<400> 25864

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atgcgcaacg ccgtaagcgg cgcaggactg ctgaagtcga cgggtcgcca gaggtggccg 120
gcactccagg tgtccgtccg gtgggcagag acatgttcga agagctgcct gacgatcttg 180
tcgtctccat actacgggac tg 202

<210> 25865

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H6

<400> 25865

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tattagagca gaaagtcact ctataaataa tgatggaacg aatgttgctg atgatggctt 120
aggaaaatca aattcaacga gtccgatgtc ttcattctca agtgtgaaac agcttgataa 180
aggaagtcct aatggccttg tgcgcagtga atcatttgaa attcattcca tatcaccgcg 240
taagcaactg acaacagcag tttctacgtg caacgatgtt gatgaatatt tagagaaaac 300
agcttttcag aagggtcggt ttaaggtgat acatgattat agcaagcttg aaggagcaac 360
gccaaagagag aaggaattat tagatcgtat aagtagttta gagcaaatgc ttcttgctac 420
cca 423

<210> 25866

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-H7

<400> 25866

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acgccaggtt ccttggacca ctatatccag gagcgacgaa gtgatccacc cgccagccat 120
ggagatgaag aaggtcctct gcgccgccct cgtcgccgcc gcctcggcca ccgncgtgct 180

ggcctcggtc gcctccgagg cgccctccga ggcgcccgcc ggcgcggccg gtggtgcggc 240
 tggccctagc gcaagcggcg ccggcgcggc cgccgtgccc gcggccgggc cgctggtggc 300
 ttctttcttg gcttactact tcaattgacc gacaaccccc ggggc 345

<210> 25867
 <211> 239
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A1

<400> 25867

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 acccttccaa attaaccata acatattatc cggatgaatcc tcgcaattat aggtaatccg 180
 cactttattg gaccctaacc ccaatggcaa atttaatttt cccccgttcc aaccatggg 239

<210> 25868
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A10

<400> 25868

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 ggcggtggctg cccggccacg gcacgagcgc gtatgcggcg gccagccct ggcgcgggcg 180
 cccccgtccc caacggcgcg aggcgtgttg cccctccgt ctgcgcgcga gcgtactgct 240
 ccggcagcgc ggtcccggcc aggcgcggtt gcgcggcctg gcgcggccct gacggctacg 300
 gttctggcgc cgcttcccggt ggcgcgggag tcacccgacc cagcggatct ggcacggact 360
 caactgtccg gcac 374

<210> 25869
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A11

<400> 25869

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cagcactcca tttgcaagct gctttgataa tttcattacc ttcactagca agatcgcgcc 180
cttcgttact agcttgtaga caggcttcta aagccacacg attagctgct gcaccagggtg 240
catttcccca aggatgtcct aaagttcctc caccaaattg taatacggaa tcattctcaa 300
agatttcggt catagctggc atatgccaaa catgaatacc cacagaagcc accggtataa 360
cacctggcat ggataccag tcctgagtg 389

<210> 25870

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-A12

<400> 25870

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cagcggggcca tcacgttcaa ggacaccggc accgccaaga tcattgctga gctcgccgtc 120
caggacttcg actcgtgca cgcgcccttc acccaggccg gcgtcccca ccccatgggg 180
aagtttgaca aggagctcaa ccagatggcc aacaactgca tggtctttgc aaacatgata 240
tgaaccacgc atgcaacccc agcgtgaggt gccatcgc atgcaaggaatg cttgcattca 300
tttttcattt aattaagaat tcattgaaat tatgagttat atatattgag taactctatg 360
tatttgntcc tgacctgcac tatntattca atagta 396

<210> 25871

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A2

<400> 25871

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 aaaaaaaaaa aaaaaaata aaaaaaaaaa aaaagggcgg acactaatgc agatccaaaa 120
 ctaacataca caaacatgca aaaaaatagc tcaacattaa aaaaaaaaaa aagggaattc 180
 acttttcgag gatccacatt tacttccact ggcaacacac tggttatacc caatttaatc 240
 gcccttaa at ccattacccg tgtccgcagt ttgacatcat agcgactagg aaaacaccga 300
 acgacctaac ctaa atgcct tcaagctgaa tgcccatttg gacacgctct gt 352

<210> 25872
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-A3

<400> 25872
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 ggaagctaag cctaggcgcg aaggcgcgtg cggagggcgg cttcgagaag ctgtacaagc 120
 agacgttctc gtccagcccc gacgagcacc tgaagaagac gttcgcttgc tacctctcca 180
 cggccacggg gcccgtcgcc ggcacgctgt acctgaccaa cctgaacgtc gccttctgca 240
 gcgaccgccc gctctccttc gcgcgcgcgt ctggccagac cgcttgagc tactacaagg 300
 ttatgatccn ccttggcaag atcgcgacgg tggagccggt gacgatgaat gagagcccgc 360
 cggagaa 367

<210> 25873
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A4

<400> 25873
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 gccgccacga accgcttcaa cgcggacgtg ctgagggcca cgacgcggcg ggcgctggcg 120
 aggtacgatg gcccgatgcat ggcgaccaac cccatcgacc ggtgctggcg ctgtcgcgcc 180
 gactgggcga cggaccggaa gcggctggcg cagtgcgcgc gcgggttcgg ccacaggagc 240

gtcagcggcg cggccggtaa gctgtacgtg gtgagggacc cgagcgacga cgagatgatc 300
 attcagcggga acggcacgct gcggcacgcg gtgatccagg accggacgat gtggatcgtg 360
 ttcacgcaga tcacgctgca gaacgtgcag gacgtgat 398

<210> 25874
 <211> 157
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A5

<400> 25874

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 catataatcg gttgagtaga cgctatagta gtaatccgtc actttataga tcctaaaccc 120
 catgggtcaac tttatcttcc cccgatacat acaatgg 157

<210> 25875
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A6

<400> 25875

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 ggattcctgc aatggagagc atggctgatg tgaatttagc acaaaaggac gagaagctta 120
 aagaagttga ctccaaaact aaaccagaag atcaacaaca agcagaaaat aaaaatatgg 180
 gaacaattga tgaagaatca gatgacgatg aggactatca tgttcctgaa gctgatatag 240
 • aggtgaaatc actaacaat ctgacaatga agctaaacac acagatgagc ctccagaaaa 300
 aattgattta tcttgctttt ctgggatact tcatcatgat ccggatgaga aaagccgcaa 360
 ctgttggaaca gtacctgata gcaagctttt caaagttcgt agcaggaaat tcccaaata 420
 caaatcgaag gtct 434

<210> 25876
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-A7

<400> 25876

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tcaaggatct tgcaagaac cccgtggatg ggttctccgc agggcttcta gacgatagca 120
acgtcttcga gtggcaggtc accatcatcg gccgcgccga caccctatat gacggaggct 180
acttcaatgc aataatgacc ttccccaga actatcccaa cagcccgcca tcagtaagat 240
ttacttctgg gatgtggcat ccgaatgttt atccggatgg gcgtgtttgc atttctattc 300
ttcatccacc tggatgaagat cccagtgggt atgagcttgc aagcgaacgg tggacaccag 360
tgcacacggt tgaaagtata gttctgagca tcatttcaat gctctctagt ccgaatgacg 420
agtctncagc aaa 433

<210> 25877
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A8

<400> 25877

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agggtcccg gaccgaatcca tttgcagaca cccaaggcca agatccatcg ctcggttccaa 120
ccagccttct tcttcttctg cttggctcgc tgatctcggt ttccattcgt gtccaatccg 180
atccagccaa ccgctgtgaa tgatggcgct caacctgtcc caccagacgg gcgcgggccgt 240
ggcgggcgga ccggcgggcg cagcgcgga cgtcgtcgcg gcggcgga cggcgccacg 300
ctcgggcggt gtcgccgagg cgggcaccgt ggcgccgacg cccgcgtcgg cggccgcccac 360
cgctccggcg ctccagct 378

<210> 25878
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B1

<400> 25878

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gagattctgt gcaaatctta cccgccggag ttcgtctcat atttccacta ttgtcgctcc 120
ctgcgatttg aagacaggcc agattactct tcaatgaaga agctctttcg tgatgtatgt 180
atacgggaag gataccaatt tgctcagcgc acaactgtgt gtcttgattt ttcttctgtt 240
tatcacggca ttagtgccat gccgttttat gttacagtgt tgtgtgctcg caagcatccg 300
aaaatatgcy tctgagttta gggttgggct aaacttgctg aatttggggg tctgttataa 360
tatgttgagc atgaataaag atggatgctg gtgactctgt cgccatcgcc gtccatcatg 420
agtgtcctgt 430

<210> 25879

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H3

<400> 25879

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ggcatccat cctgctcgtc atgggtgtgc tagctacgct attcgtgggt ggttcgtgca 120
ccaccccgct caccttccag gtcggcaagg gctccaagcc cggccacttg gtcctcacc 180
ccaacgttgc caccatctct gacgtggaga tcaaggagca cgggtggcgac gacttctcct 240
ttacgtcaa ggagggtcgc actggcactt ggacgcttga caccaagacc ccgctcaagt 300
acccctctg ca 312

<210> 25880

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B10

<400> 25880

cccattccac cgacgcgtac gcaccctgca aataaacctt atagattatg atcaaaaact 60
tccaaaatta taaccggaag ggagaaatag gcgctcggct taacaatcta cacactaaca 120

ttcatcatct tattacaacg caacctatac aagttatctc ttaaattgaa tttaatagcc 180
gatcttatac aactgctgga actgaaaaac cacaacatca cccaccttaa tcaactgtca 240
gcaaatgggc atgaatccag attccctaca ctcttagatg cccaatccca ataccttttt 300
caaaagatac tcatccaaac ttgctgata 329

<210> 25881
<211> 265
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-E7
<400> 25881

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gaatgcgggtg tttgggcctg tgtcttgact gaaggcgcat agcaaaacta atacaaaaaa 120
tgcagtgttt gggcctaggc aatatctgat gaaagggttct ggcttcgtgc ccagtctact 180
gtgtaattcg tgtgactaga gtggtcgaca tgtgtaaate gaattaccga gtgcactacc 240
taatcttctt tagtttcaaa aacaa 265

<210> 25882
<211> 410
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-046-Q1-K1-E8
<400> 25882

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agcccaaaac acacaagaac cttctactcg atgggggtcta ggggactcat ctaatttggc 120
atctggcctt gaggatgcaa acccttcata tccttatctt cctacagttc ttgaggaacc 180
tggttcttct ttctccgaag ctgcagagga tgatccattg ccaggcatag aagggttcg 240
aatcacaggt gaaccttttc ctggacaaga acttcaagca ggtggatact ccatcaatgg 300
taccacaact tgtaattttg agtgggtgcg ccatttagaa gacgggtcag taaatttcat 360
agaaggagca aagcagccta gctatgttgn tactgcogat gatgtggaca 410

<210> 25883
 <211> 373
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-F1

 <400> 25883

 gtctccgata cgatccatcg tgcgagcata tccacggcga tggaggcgag agcggccatg 60
 agctgggtact gcggctccct tctggccgtg gccatcgcg cgttctctgtc cgtgtccctc 120
 ggcgtgcgcg ccgccggcgc cggcgccggc gtcgacatca aggtgtcgtg tgcagcgacg 180
 ccggacccgg acgtgtgcct acgcgcgctc caggcggaca gcgactccaa gaccccgcg 240
 gacctggcgg aggcggcgct ccgcgcggcg acgaccgagg gcggcgcggc gggcgactac 300
 gcgcggcacg agatggacgt ggtgaaggac aacgacatgt ggcagtgcct gaacgagtgc 360
 gccggggaga tcg 373

<210> 25884
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-F2

 <400> 25884

 gccacgcgtc cgcatcatcg acacgtacgg cggctgggga gcccacggcg gtggcgctg 60
 ctccggcaag gacccaccca aggtggaccg cagcggcgcc tacgtggcca ggcaggccgc 120
 caagagcatc gtggccagcg gcctcgcccg ccgctgcctc gtgcaggtgt cgtacgccat 180
 cggcgtgccg gagccctgt ccgtgttcgt cgactcgtac ggcaccggca cgatccccga 240
 caaggagatc ctcaagatcg tgaaggagaa cttcgacttc aggccggga tgatcagcat 300
 caacctcgac ctgaagaacg gcggcaacag gttcatca 338

<210> 25885
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-F3

 <400> 25885

gccttaccct cgaagccgaa ggccctcgtgc cttctcttcc tccctggcat ggaggaagta 60
gctgtttcgc ctatgatcgt tgccgcgcgta gtgctggaca acaatggcgc tgacgcggtc 120
tcctgcactg ccatccctag cgtaacaata agcctagagg agaaagaaaa tatcaatggg 180
gatgttccca cgatcacctc ggccgcaagc aacgaggagg aggcgttggt cagtgtcgga 240
gaatccacca aggacgatgg ccatcgcttg acgatggaat gctccactcc cgtctcctcc 300
agtagccctt ccactcgcaa gaagcgcggg gcgttcagcc tcttcagggc gatgttcctg 360
tccttcggcc ggagcgacga cagcatgaag aatgacagac gacgacacca cgagcccca 420
gaagagagcc atc 433

<210> 25886
<211> 226
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F4

<400> 25886

cccacgcgtc cgcccacgcg tccggaggca agggacgtaa gaagtgcatt acctgggggtg 60
gtcccttaat gaatccacgc tctagacgc gtacatcgcc atgttcgtca ctgagtttct 120
ccgacagctt ggcattgctga gcagttcgt aaatgttctt cgtgctgaga atgtcagcta 180
tgatcggcct agattcagcg gtactgcgct cttaatcgac agggaa 226

<210> 25887
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F5

<400> 25887

ctagatcgcg ctccggccaat ggactttgtt cgagtatatt cacttttcat tgatgggaaa 60
aaaatgtag gtctttttat gaagcctggt tgagcaccat cggctctacc caaaaactta 120
acctagttat ccagcatctt tctgatactt tggcatttcg caagctcatg tctatacctt 180
ggtttcttcc cagcccatcg tggtgggatg gtttgataga tggttcagaaa gcagatgtga 240
gaaaccatac taaaataata cggtgatgct gatccatttt tgggtcttgt taaaaaaaaa 300

cccttacaat cgaaaga

317

<210> 25888

<211> 231

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F6

<400> 25888

gtagttcata tggcggaagg aactgtgtg catgcatgtt ccatcgtgcg ggctcggttt 60

tctttgaaca caacacagat gtagcaggca tgagcgatcg tgcgatggca tggctggcta 120

acctgtctcg gatgctaaat gaaacccggg ttcctttctc aagtgttagg agcataacta 180

ttgtcacatc aatggctcttg agccctaaat ttcatttgta ggtcgttaat t 231

<210> 25889

<211> 371

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F7

<400> 25889

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acgtggagaa aggtccaagg ggatgaggaa gtacaatgct atcgacaagt ggaataactca 120

gctgaagtcc atttaccaa cattgtccaa cagagtttga tgagaaggat cgctgctgct 180

gcgtgcattg cacacctagc attgttgata gcctgttttg cggatttgag ggcaactgca 240

aagaactgtc tggtgacgct tgcgatagaa tcttgatct gggtaaagtt aatattgact 300

acgaggtcgt ctctgaatta aacaagataa tcaagcgact acaagcaaaa agaagtgaac 360

ctatgacaaa g 371

<210> 25890

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F8

<400> 25890

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ctagaccac ccacgcgccc attgccttcg gtcgccatgt ccgcgctca gcttctccgt 120
cactcgcgca agctgcggag tttgcaaaat gctgtaggtt gtgagaattt tagttttggt 180
cggcatttct ccagcgggtc tgggtccttt atcgccaggg aaaatggtat tggaaaaaga 240
accagaggta ccagattttc ccagcataac cagcctgcaa aacagctcga gacattctca 300
gcaggagtaa atggaagctg cacttgagaga atagcatcca acagccttac cccaagtgt 360
gctagctggc tcagtgggtc attctcatgt ggacaggtag tctcagcgcg gccattctca 420
agtagtgc 428

<210> 25891
<211> 400
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-G1
<400> 25891

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ggatgagagg aacaccagc agcaccaggg cggtgagcag gccaggacc aggagaacga 120
ggtgaaggac aggggactcc tggacagcct actcggcagg aacaagcacg acgaccagga 180
gaagaagaac cagcaggcgg aggaggagct ggcgaccggc atggagaagg tcacggtggc 240
cgagcccgac cacaaggagg agggacacga ggccgcccag aagaaggaca gccttctcgc 300
caagctgcac cgcaccagct ccagttccag ctcgtcgagc gacgacgagg aagaggaggt 360
gatcgatgag aacggcgaga ttgtcaagag gaggaagaag 400

<210> 25892
<211> 114
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-G2
<400> 25892

atcgacgaag actatgacaa gcagttctgt tgtccgaaca ttgattatgt gagccattg 60
atacgctaaa tgtatgaact agtttttatt tacaataaat tactaatttt ttct 114

<210> 25893
 <211> 130
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G3

<400> 25893

atcgaccaag actatgacaa gcagttctgt tgcacgaaca ttgattatgt gagccgggtg 60
 ggacgctaaa agtatgaact agttcttatg tacaataaat tactaattat atctaaaaga 120
 acggaagaat 130

<210> 25894
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-G4

<400> 25894

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 tcatgacgtt catggacacc tgcacgcacg gcttcgtcga cgagaagctc aaggccgaca 120
 tgcacaccgt gctgcgcaac gccaccgagc tcagcagcaa cgcgctcgcc atcaccaaca 180
 gcctcggcgg gatcctgaag aagctggacc tcggcatgtt caagaaggac tcgcgtcgcc 240
 ggctcctgtc ggagcaggac gaaaaaggct ggccagtgtg gatgaggctc ccggagagaa 300
 agctcctggc ggcgggcaac cagcctaaag cgaacgcggt ggtggccaag gacggcagcg 360
 gccagttcaa gaccatncag cangccgtgg acgccatgcc caagggccag cangggaggt 420
 acgtcatcta cgtg 434

<210> 25895
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G5

<400> 25895

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 gttaagaaag gaggatccat ggaaggggag cttgtagaag gagttaggag gagcagcagg 120
 ttggagtcta atgatgaaat gaagattgca gataaggcag cagcaagagc aatggctaaa 180
 gatgcattca ttaacaaaga tcatttctaa cggctccttt taccattaag gagattaaaa 240
 aagtgggtttt cgagatgaaa cataatagtg ctcttggtcc ggatgggtttt cctgcggaat 300
 tctttcaaaa cttttgggat ttgattcaaa tggatgtttg gaacttattc aaggattttt 360
 atgttggaat tcttgatatt g 381

<210> 25896

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G6

<400> 25896

cccacgcgtc cgtttttttt tacatgtttt ttttaatcaa aactttataa ataaaggaat 60
 agaatagtac accataacaa catacaacag ctttgcctcg atcgagagca tgcataaatc 120
 acaggcgtcg tcgaatcaaa agaaaggaag aaacaaaatg atgtgtgggg tgggggtttg 180
 gtgcatggcc gtcgctgtta aaattcgaca caggacagtt gcgtaaatag acctagcgta 240
 atcagctgca caaacgaatg agagagcgag cgagggaagc aaaatctggg tgaggagatg 300
 aatagatgat gacgggagcg cagcgcggcc tggcagactg ggcctaggca gtaggcacct 360
 gctccgatcc ttgtgctctg ctgggcctag gcaccgccgc ggagtttggc catgttcctc 420
 ttc 423

<210> 25897

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G7

<400> 25897

cccacgcgtc cgcccacgcg tccgccacg cgctccgggac cacctctcct aatattggag 60
 ttcgtttagg ggatacagtc ctcttcgctg gcgatttctt ctctcacact acaaggaggg 120

gaactctacg agctcgcgct cgttgcctgc catcccactt cctctctcca cctcgtcttt 180
 ggaagtctcc aaagcgattg tgcagtctgg caggacaacc tggaggattc ttcgccgaac 240
 gagttttccg agcgcggagg gtgcgcatcg atccacagcg tgacctctcc taccgatct 300
 ggttcttttg atctcaaact actcagtctc cgccactgcg ccacaccacc gcgtcgcagc 360
 aatgccgtcg ccgcgacgaa agctgaagge ggctcgtac gag 403

<210> 25898
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G8

<400> 25898

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 caccggttcc cgcacgacaa gggccggccg ccggcgcgcg cggcgctgcg gtgcgcgccc 120
 tccatgcct gcctgccgcc gctatcacg tcgtcgtcgt cgtcgccgcc gcaaggtaac 180
 aagaagaaga agcagaagca gtgccctgcc tacttcgctg ccattccaccg ggacctggct 240
 ccgtggcgcg ggcagggccg gggcgtagc cgcgcgctcc tggacgagge gcggcggcgc 300
 gcgtccatgc gcgtcaccat cacggggcgc gggcggcggc tgcacgtgga cctctactac 360
 gcctgcgtgc agagccgcgc cctgttcacg gtgtggagcc tgctgcagct gatgcggctg 420
 ttccccgggc gcgt 434

<210> 25899
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-E6

<400> 25899

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 aaggatggat cacaattccg tgcaaggcac ttctgaaag ttggaacgac atatcagaaa 120
 tggttcagtt gcaggctctg gaccgttcct tcctttttcc agttatcagg cgagcaggtt 180
 cctatactgg cgtgcctgtc agcttctaag caagatgtac aggttatatc cccctttaga 240

attgccgcag taatgtctaa gaatggaact tctatgcaaa actttacaaa taaatctagc 300
cctgtcagtg caaatgggtca tgataatgga gcagctggag aaagtggcta tgaggatggt 360
gaacccaatg gtgaagcatc tnccttcagga catgatattt tggagactca atctctcctt 420
cagatgga 428

<210> 25900
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H1

<400> 25900

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gtagatgacc tggacgggcg gccagcgatt gtaggcgatg gagacggcga ggtggcggat 120
atctggatga tgactt 136

<210> 25901
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C4

<400> 25901

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ggcaacgggt tcatctgcaa gtcgatgggg ttctgtgaaca cggcggggcc ggagggggcac 120
caggcgggtg cgatgcacgt gcagggcgac aagtcggtgt tctacaactg ccggttcgag 180
gggtaccagg acacgctgta cgtgcacgcc aaccggcagt tcttcgcga ctgcgagggtg 240
ctgggcaccg tggacttcat cttcggcaac tcggcggcgc tgttcagaa ctgcctcatg 300
acggtgcgca agcccgggtga cagtcagtcc aacatgggtga cggcgcaagg gcggacagac 360
cccaacatgc ccacaggcat cgtgc 385

<210> 25902
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C5

<400> 25902

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aagaagcttt cctacaggaa ggtcgtccgg ctgcgctcg acctcgccag agggctgagc 120
tacctgcact cgaagaaggt gatgcaccgc gacgtgaagg cggagaacat gctgctggac 180
cggaagcggg cgctgaagat cgcgcacttc ggctggtggc gcgtggaggc gcagagctgc 240
gaggtgacgg ggcagacggg cacgctgggc tacatggcgc cggaggtgct gcaggggaag 300
ccgtacgacc acaagtgcga cgtgtacagc ttcggcatcc tgctctggga gacctactgc 360
tgcgccatgg cctaccccaa ctacagcctc gccgacatc 399

<210> 25903

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C6

<400> 25903

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ggcacgcgcc gccgctgccg cgcgagcctc ttcgtgcccc tcgtcgcgca gatggatccg 120
tcgttgagac ccatgtacgc gcaggtcgag ccgtacgact cggggttcct caaggtctac 180
gatgtgcaca ccatctacta cgagcagtcg gggaaccgcg acggccatgc ggccgtgtgt 240
ctccacggcg gtcccagagc cggcacgtcg cccgtcaaca ggaggttctt tgacccgcag 300
ttctacagga tcgttctgtt tgaccagagg ggtgcaggca gaatcactgc caatgcttgc 360
ttagagcaga acactacttg cgacttggtt gctgacat 398

<210> 25904

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C8

<400> 25904

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accgcttcat gtgccagctg cttgggctag ctaacgcagg tcggtcgcag aagcggccgt 120
 actctgtgtc catgatggag ctacgcgacc ccattgtgct gtacaacttg cccttcgaag 180
 tctacgagca cacgctgtac gtgcacgcca accagcacat gatcaagcca tgcgagggcga 240
 tccatgacga ttactacatg atc 263

<210> 25905

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D2

<400> 25905

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 ttcgacctca tgtacgcaa ggcgccttc gtgcactggt acgtcggatga gggatatggag 120
 gagggcgagt tctccgaggc tcgtgaggat ctggctgcgc tcgagaagga ctacgaggag 180
 gtccgtgctg agtttgacga gggtgaggac ggcgacgagg gtgacgagta ctagacgctc 240
 tactggcgcg gcgtcgtcgg gcttgtgtgc cactgctatc ctgtgatctg ccctgagtgg 300
 ctctatcgt gttatgtttc tgcggttct tatctatctg tcgttgtgtg gtttacaact 360
 tacgttgtaa gactttattc ccccgctttg ctactgggtt attaagtttt ggcgtt 416

<210> 25906

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D3

<400> 25906

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 cctcctggtc ctcttctgca tcgtgcatgg tgagaaggaa gagtcaaagg gcatcgatgc 120
 gaaagcgtcc gggcctgggtg ggtccttcga catcaccaag ttgggcgcct ccggcaatgg 180
 caagacagac agcacgaagg ctgtgcagga ggcattgggca tcggcgtgcg gcggcactgg 240
 gaagcagaca atcctcatat ccaaggggtga cttccttgtc ggacaactca acttcacagg 300
 cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct 360

aagccagtag aaggaccatg gtaattggat cgagattcta cgtgt 405

<210> 25907
<211> 277
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D4

<400> 25907

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tttttggact acataatttt ggcacaaagc aggtgtacaa ggtaaaccct tttaaaactt 120
tcattctattt gtttcgggat agtttgggtgt gtgggggggt ttgtctcgat cctttgtgct 180
actgcaacat ttggtcactg gacatcgtga atgagctaata tttaaacata tgaaactgta 240
ttacacatgc catgacaatt gatgatcaat gctaacc 277

<210> 25908
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D5

<400> 25908

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ccattggccg tggcgacgcc gtcagtcagt aagtgcgcgg tcctggaatg gtatagagct 180
atcgtaaaa taagttctgt tttttttggt ggctgtagaa ttgggaaaga ggctgttgtt 240
tatgaggag gatgaatggg gaattgaaag cttgtaaaga gaattcctac agatttgttc 300
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aaaaaaataa ccatggtt 378

<210> 25909
<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D6

<400> 25909

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actgagctag ccttcagaaa aaaagagaaa agaaagagat tgagaagcag ggagaaaaaa 180
tggcactggc ccattgagga agcttgagaa ccagttaaca agaattgccca acatattctt 240
ggacaatctt gttaacatag 260

<210> 25910

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D7

<400> 25910

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tccattctcg tgggagggag agagagagag agaggagag aaatcaaaga ggagagtgat 180
catggagcat gtgattggag ggaagtataa gcttgggagg aagattggga gcggatcctt 240
cggagagcta tatctcgggt ttaatataca gaatggagag gaagtgggaa taaaattgga 300
gcctgtgaaa acaaaacatc cacagctgca ctatgaatct aaagtttata tgctgctgca 360
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<210> 25911

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D8

<400> 25911

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acatggctgc aattgtgaca ttaggtagat gggagatttt tgactgagtt ttcgtgtttt 180
gtgagcgaag tcaaggtagg aaatgatgtc cgagagtga gagcatggct cgctcctaga 240

caagatcaac ggacagatc

259

<210> 25912

<211> 385

<212> DNA

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<223> Clone ID: LIB3066-046-Q1-K1-E1

<400> 25912

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cgatccattc tcgtggaagg cagagagaga gatagaggga gagaaattaa tgatgagagt 180
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cttcagagag ctatatctat gtgttaatat acagaatgga gaggaagtgc gaatcaaadc 300
gtagcctgtg aaaacgaaac atccacagct gcactatgaa tctaaagtgc atatgctgct 360
gcaggatgga aacggtatcc cacac 385

<210> 25913

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E2

<400> 25913

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ctccttcggc cgcgcgcgcg cctccccgtc gcgcagcgcc ggcgccagcg ccagcgcctc 180
agcctcagcc tcccacttcc gtcctctctc ctggagcgtg tcccgcacct ggtccgccgc 240
gcgccagctg caggccattg gggccggcct ggccgcgcgc cgcgcgcacg agccgggcct 300
cgccgtcccc gtctactcca tgggctgcgt gctgcacctc accgcgtggg cgctc 355

<210> 25914

<211> 111

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E3

<400> 25914

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<210> 25915

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E4

<400> 25915

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gcatgctttc catggatggc tcacaggggg ctaatgccct acatacagac aatctttcat 120
gtccatacgg tctacatcac tcatctactt agtcatctgg cgttcgctct ctagcactaa 180
tattcttatg cgtgtatagc tacttgatga atctgatata gcgtcatcca aatccacttc 240
agtggccgca ttttcacatc ttcatggatg tgaaatctct ggcgaaacct aacttaatcg 300
acttctacaa gatcgcaact actccatctg tgggtactaca gtcataactt gtactgatcg 360
gcgttactta cagtacggca ccttgaatgt catatagcga gcgcagtata ctagctcttt 420
agtcactgc 429

<210> 25916

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E5

<400> 25916

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ggcgctcatc ttcgtgacct ggtcccggag ctggctcttc gtggagcggc ccggcgcgct 120
gctggtgatc gccttccctg cggcgcagct ggtggcgacg tgcacgcggc tgtacgcaa 180
ctgggagttc tgcaagatgc agggcatcgg ctggggctgg ggtggcgcca tctgggcgtt 240
cagcgtcgtc acctacttcc cgctggacgt gctcaagttc gccatccgct acgcgctctc 300

cggcaaggcc tggaacaaca tcaacaacaa gacggccttc accaaccgca ccgactacgg 360
 caagggcgag cgagaggcgc agtgggccac ggcacagatg acgct 405

<210> 25917
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C3

<400> 25917

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 tggaggtgca agcggcgacg gcagcactgc ggcggtcaga ggtgttccac gtcttgaagg 180
 agctcgtagg ctctgtcttc tacatgcacc accagatccc ctcggttttg ccgagtcttg 240
 aaaatgaatt tgcaagtta aaggaggaaa tgacagaaat ggcattacaa ccagctgaac 300
 tcaaaccatc tgatcggaga aagtacaaca cacgaaatac ggaggttaga cgtagaataa 360
 agaagcacga gaagttgatg aatggcatct ctaccttact c 401

<210> 25918
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H9

<400> 25918

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 agagctcaga tgtcaaaacg aagtatacac caciaagatc aaaaggagaa tcatccagtc 120
 atccgtact actacttcgt catgtctact acctttgata taaaattttc acctcctggc 180
 tactacggat gatctggatt tctccgtcgt ttcttgctgg aaatcttaatt ttaataatgt 240
 tctgcttcag attgcggagc tgagaacacc gtgaagctag tagacgtcgt ccagtgccgt 300
 gaatgtggcc accgcacctt ctacaagaag cggaccgcgt ggattgtcca atttgaagca 360
 cgctgaagag tgacgacagg ggaaaaacac tggagatggg tgatctatta ctgcgcactc 420
 acctatgtaa agagtcttgt gagggaaatg aaagtgtcag acat 464

<210> 25919
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A1

 <400> 25919

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 ttgcatgcaa atgatttata g 141

<210> 25920
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A2

 <400> 25920

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 catggtcgtg ggcgccgtcc ttgcggcgct tgcgtcggc gggtcgtgcg ggcccccgaa 120
 ggtgccgccc ggccccaaaca tcaccaccaa ctacaacggc aagtgggtca ccggcagggc 180
 cacctggtac ggtcagccca acggtgccgg cgctcctgac aacggcgggtg cgtgcgggat 240
 caagaacgtg aacctgccac cctacagcgg catgacggcg tgcgggaacg tccccatctt 300
 caaggacggc aagggtctgtg gctcatgcta cgaggtgaga tgcaaggaaa aacctgagtg 360
 ctcgggcaat cctgtcaccg tgttcatcac agacatgaac tacg 404

<210> 25921
 <211> 329
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A3

 <400> 25921

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 aagactttcc gcggaggtgg aggcggaggc taccgcgggt tggaggccgg tggcggaggc 120

ggcggcagct attccacccc gagcgaggcg ggcceatcca cgcccgccgc tggggagacg 180
 actacccctt cgtcaggcgg cgggttacttc actcctagcg tggcgggcgcc atccacgcct 240
 gccgctgagg agacgacgac gactgcttcg tcaggcggcg gcggttacgg cggtgcaacc 300
 ggctaggctt cctgacgcgg cggcggact 329

<210> 25922
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A4

<400> 25922

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 cgcgcgctct acctgcgccc cgctgatgag ttccgagagc gactccttgg cctcacggcg 120
 gtccaagaaa cccaagtatt ccaagtttac ccagcaggag cttccagcat gcaagccaat 180
 gttaactcct ggaatcgta tcgggtgttt ctcgctcatc ggtgtcttct tcgtcccgat 240
 cggcctcgct tcgctatccg cgtctcataa catcgttgag gtgatagata gatatgacgc 300
 cgagtgtgtg tccgccaacg acaaggtcgg cttcatccag gacgccaaga ccgacaaggc 360
 gtgcacaaga aagatta 377

<210> 25923
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A5

<400> 25923

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 gtgatggcgt cgtcgagcgg gctgaggagc tgcagcgccg tgggcgtgcc cagcctgctg 120
 gcgccgtcgt cccgggtccg cgccctggcg ccgttctgcg ccaacgccac cacctctggc 180
 cgcgtcacca tgtccgcgga gtggatgccc ggccagccac gccctgcca cctcgacggc 240
 tcctctcccg gggacttcgg cttcgatccg ctgggcctcg cgaccgtgcc ggagaacttc 300
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<210> 25924
 <211> 407
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-A7

<400> 25924

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agcgtgctgc tccttttgaa ggggaacgaa gaaacctcat ggaaccttct gataataata 180
cttccaatgc tgctgctgct gctgctgctt ccagtagtgc aactgcttct cggacaatca 240
cagtggacga ttctttgcca tcaacctccc tccaaatcag gttcgcagac ggcagtcgct 300
tggttgcccg tttcaacaca agccacagga ttagtgacgt gcgggcattt atcgacgcga 360
caaggccagg agccagtgat tacacgctgc angccgggtt cccccc          407
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<210> 25925
 <211> 106
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A8

<400> 25925

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aacagggatg tgtccgggat caagctgac agggccaacg ttttac          106
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<210> 25926
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B1

<400> 25926

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cccacgcgtc cgtcgagacg catacatgct caagatatat gaagacaacc cggcagggct   60
tccaggttgg tgcaacgcat aactgacaa gctgactttt tgccagattc tcggagagta 120
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cagaatggag ttaccagagt acaacacgat tgaaccttat gcgaaaatga acgagaactg 180
 tacagccttg cccgcaacgt acaaacgagc cagacgctgc tgactacgag attgtctact 240
 atgtatctca ctgctgctgc ttcataataca cagcggcagt agagtgttgt agctatgttc 300
 tcgaagtaag agacactata tatataggcg cttggtagat ggtagctctt accagtaatg 360
 cctatgcatg gtatttaggt tcacggctt 389

<210> 25927

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-B2

<400> 25927

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 cgcgtcttct tccacgactg ctccgctcagc ggggtgcgacg cgtcgggtgct gatcgcgtcc 120
 acccagttcc agaagtcgga gcacgacgcg gagatcaacc actccctgcc cggggacgcc 180
 ttcgacgcgc tgggtgcgcgc caagctggcc ctggagctgg agtgccccgg ggtgggtgtcc 240
 tgcgcgcgaca tcctcgactg ggcgtcgggc gtgctgatta ccatgaccgg cggggccccgg 300
 tacccggttc cgctggggcg cagggactcg ctgtcgtcgt cgccacggc gcccgacgtg 360
 gagctgccgn acgccaact 379

<210> 25928

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B3

<400> 25928

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 tcctcgccgt ggctcaccg gctgctctgg ccgccttcga tgtgatagag atgctggccg 120
 acaagcccac gtactccacg tcctgaagc tcctgcagga caccaaggct gcgggcgagg 180
 cgaatcagct ccggtcggcg acgctactgg tcgtaccga caaacttgcc aagcctctgg 240
 cgctcgtgcc cgccgataag gtgcggccgg cgggtggagaa ccacgtcctt ctcaattact 300

tcgaccccat caagctggac gagatgaaga cacgcacc

338

<210> 25929

<211> 381

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-B4

<400> 25929

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gtgtcagcgc tcgccaagta caagctcgtc ttcctggggg accagtccgt cggcaagacg 180

agcatcatca cccgcttcat gtacgacaag ttcgataaca cctaccaggc tacgattggg 240

attgatttcc tgtcaaagac aatgtacctt gaagatagaa ctgtgagact ccaactctgg 300

gatactgctg gtcaagaaag attcaggagt ttaattccaa gctatattag agactcttca 360

gntgctgtca ttgtattcga t 381

<210> 25930

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B5

<400> 25930

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gggaggcagg gaaagaatcc aaacatggcg aagcgaagaa gccagagaag gactcaaaag 120

atgtaaaaac gaaagagaat gcggcaggcg aagagtcgaa agacgcggaa gtgaaagaaa 180

aggcagtcaa ggacccaaaa gatgtggaaa tggaagggat ggcaggaaaag gagcccaaag 240

atgtggaaaa gctggatggc catactttga gcaacgagga atcagacaac gatactctta 300

gcgtgtggaa aaaacgtaca gcaaaagcaa catagtcttg ctttctcagc tgaccattca 360

tagtaggatt tgcagatttc acaggcaggc aaacgttcgg agatgtggat atc 413

<210> 25931

<211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B6

 <400> 25931

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 tagaagtagc tgagcaggag ctcatagaag gaaagctagt gaacgactac cttacccgaa 180
 aggggcaagg gcagtaggag agtgggttagt gtagggaggt ccttgggttg attttgctgc 240
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 tgaagctagt ggaactatgt aaaggcctcg tagcgtgacc ctgcctcgcc tctcggtag 360
 aggtgtatgg gattggtcgt ctcttggcac atgggtaaca tgac 404

<210> 25932
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B7

 <400> 25932

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 ggtcgtcgat gcgggcacag gttgcgatgg ttgtggcggt ggtgttcttg gtgagcggcg 120
 catggtgcgg tcttcccaaa gtccccccag gcaagaacat cacggccacc tatggcaagg 180
 actggctgga cgctaaagcg acatggtatg gcaagccgac atgtgccggt cccgacgata 240
 acggtggcgg ctgcgggtac aaggacgtga acaagcccc cttcaatagc atgggcgcgt 300
 ggggcaacat ccccatcttc aaggatggtc tgggttgtgg gtctgcttc gagatcaagt 360
 gcgataagcc t 371

<210> 25933
 <211> 89
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B8

<400> 25933
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 tctccaaata ccaaccaaata ttaggggtt 89

<210> 25934
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C1

<400> 25934
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 aggcggcgccg ggctattcca ccccgagcga ggcggcgcca tacacgcctg ccgctgggga 180
 gacgactacc ccttcctcag gcggcggtta ctccactgct agcgtggcgg cgccatccac 240
 gcctgccgct gaggagacga cgacgactcc ttgccaggc ggccgtggat accgcgggtgc 300
 aaccgcgaag gcttcctcag gcggcggtg actggacccc ga 342

<210> 25935
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C2

<400> 25935
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 taaaaaattc gttcatggga gcacgggaaa aaaaaggaat tcccacacca tggagactcc 180
 aagaagaatt gtgcgcatat gcatgttcta agtgctcgtt cggatccagc agttgccctt 240
 gcgccatcga tccctgccga tccgggcctg ggccctgcgc agccgggcct tgtagtcctt 300
 ggcccacgcg cggagctgtg ccttgagctt cttgaggtcg gcggcgg 347

<210> 25936
 <211> 458
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H8

<400> 25936

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tcctctccct ggcgatcgcg gaggggctgg cgctcctttg ggccatccga agcctcacgc 180

gccgcacatc ggcctcacgc agcacgccgc cgccatcact ccccatccac ccgacgcccg 240

cgcggtctgt gtctcgccac agcctcaacc gacaggacac ctcatctcat ccattccactg 300

ctgcagtatt ccacacgttc acgacctgta ccttaacacc tttcccatcc tatctacgag 360

taaacagggc ttcttatgga tgctggagca acccaaggat agcagcatca atggcgctag 420

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<210> 25937

<211> 220

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G2

<400> 25937

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tgctcgccgg ctacctgccg ttccacgacg ccaacctggt ggagatgtac acgcatgata 120

agcagagccg acgtcaagta cccgcagtgg ttctcccctg agctacggcg gatgatgccc 180

aagctcctcg aaccgaaccc aaagctcagg atcacgatcg 220

<210> 25938

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-G3

<400> 25938

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ccgtcacctgt cccgccgacg tcgtcggcgt cgtgccccagg tctntgtcgg tccttggttcg 180
gcaacgagca ccctacagat ggctgggagg cacagccata ttctgatgca gccatctcaa 240
aataaggctt ctagaacatt tatggattac aattcgatta atcatgcctt ggatggaatc 300
tggggggcttt atggaaagga aattaagggt tttaacccaa tggcccccaa ccttacct 358

<210> 25939
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G4

<400> 25939

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gtactgtcaa ccgactcctt cctcaagcac actgatgtgg ctatactgct ggacaatgat 120
gccatctacg acatctgccg acgatccctt gacattgagc gcccaccta caccaacctc 180
aacaggctag tgatccagggt catctgatac cttactgcct gctgaggat cgatgggtgct 240
ctgaacgtgg atgttaacga gttccagacc aacctgttac cctaccogag gatccacttc 300
atgcttttctt cgaacgctcc aatcatgtct gctgaaaagg cctaccacaa gcagctttt 359

<210> 25940
<211> 295
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G5

<400> 25940

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cctgcctgat gggctagagc ccggagaatg gacttaccta ctggctgtta tgactgaagc 120
tcggagaccg cttgggcgtt gtacggcgtg catgtacctg cgctcacgt cgatgacatg 180
gacagattga ataaactgct cacgggcttg gtgaaacagg agaggtagca tgacaagcac 240
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<210> 25941

<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G6

<400> 25941

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gtcatagcaa cagccatgaa aaagagtcag gtgcagtttt ttcaaatagc ttttaacatgg 120
ccccatcagt gacacctacc tcccccttttc aacttatgtc tccaagctca accaactaca 180
cttccactca aatcttcgag gaaaccaaca atttagagga cacttcaaga gtctttggag 240
gtggggataa cgaaagcaac aacagtgagg aaccggatcc caagccggct gtggagatgg 300
aagacctaaa ccaaggcaat gatcactact cgaataaaac agctaactgt caagattacc 360
gtatggctct gcgcaaggac ttgacatata gtgatgttgg aaacattgga agaatcgtgc 420
tgccaaagaa agatgcanag cctaacct 448
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<210> 25942
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G7

<400> 25942

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ggtaacttctt tttgccaaca cgaacattgt aatcctgtca tggtagctgt tgcagacact 120
gtttgaacta acattgtctt aaacagattc tgtgcaaadc ttaccgcgcg gagttcgtct 180
catatttcca ctattgtcga tccctgcgat ttgaagacag gccagattac tatccaatga 240
agaagctctt tcgtgatgta totatacggg atggatacca atttgattac gcatttgact 300
ggactgcact caagtaccct taaatgggct ccaacaacaa gctagttcaa caaccaagtg 360
caagaatggc ttgggttgga ccatcagttg agagaacaga caaagcttac atggggc 417
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<210> 25943
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G8

<400> 25943

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ggcgtgatgc tgaaggacaa gatgtgcttc tgtttattga caacattttc cgtttcaccc 120
aggcaaattc tgagggtgtct gctcttcttt gacgtatccc atctgctgtg ggataaccagc 180
caacccttgc cactgatctt ggaggactgc aagagcgtat tacgacaaca aagaagggtt 240
ctattacgtc tgtccaggct atatatgtgc ctgctgatga cttgacagat cctgctcctg 300
ctactacctt tgcccatctt gatgctacaa ctgtgttgct acggcagatc tctgagctgg 360
gtatttatcc tgctgtcgat ccactggatt ccacatcaag aatgctttct cccacgtgc 420
tgggtgagga tcattacaat actgttcg 448

<210> 25944

<211> 256

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G9

<400> 25944

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aagagagagc agctgctgct catgagagaa gacaaggact atgccatact tgtagatatg 120
atccacgctg cgcttctgac cattaccttt ttgcgtactg cagatagaag ataatcgcac 180
gatgacgtag caactgaact gacatctgca tccgaactat ctgaagtacg cctaggaatt 240
gcagacacat tcttag 256

<210> 25945

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H1

<400> 25945

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tggcgtgacc atcctccggt ccgagaaggt caaggatgag ctcaccttg acggaaacga 120

cgtcgagctc gtatctcgtc ccgccgccct catcaaccag aaatgccatg tgaagaagaa 180
 ggatatccga aagtttttgg acggtatcta tgtgagcgac aagggcgtca tcgaagagga 240
 gcagtgagcg acagtgtagc cgaaatgccg ggagatgaat atgaatgtcg tttgagttgc 300
 aattttgcga gactgaatgt gaaccttttt ctcattcctt aaatagttga c 351

<210> 25946
 <211> 326
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H10

<400> 25946

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 tatatgctca ggtgtcaatt ctaaggatac accacatata tcaatatgac aatcatccac 120
 tcatccgcta ctactacttc atcatgtcta ctaccttga tataaaattc tcacctactg 180
 tctactactg atgatctgca tatctacgac gtttcttgc gcaaatttta atttaataat 240
 gttctgcttc agattgcgga gctgataaca ccgtgaagct agtagacgtc atccattgcc 300
 gttaatgtag ccaccgcac ctctac 326

<210> 25947
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H11

<400> 25947

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 cggctgcat gagaagctca actcctccgc gggcgtattc tccactcgcc tgcaggagaa 120
 ctccatgaag atcaagggag tgctgaacca catggagcac gaactgtttg ctgttgacgc 180
 tgttatggct ggcctatcaa tactcggatt cttgttctcc gtactgaggt tgcggatgct 240
 tgtctcccta ctggtgatcg ctgctcgat ccttctcacc aataccatca tcaggtctgg 300
 tctgttgcta ctgttgaca tcgtggtggc ggacacgtgc gtctcgatgg gcgattgcgt 360
 ggcgcaccac gacgcgcaca cagcgtgga cgacatcgct ccgtgcgtgg acgtggtcac 420

cgctaacgag tcgctgtacc ggagccagga ggtgacgt 458

<210> 25948
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H12

<400> 25948

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atatcggctt tgtttcctaaa cccaagtata cacgcacaca tatcaaacag acactcaccc 120
aataactcca tactactaca gggccatgtc tactaccctc gacataacat tgtcacctgc 180
tacctactaa tgatcaactc catatctccc accatccttg ttacaaatct caacttaata 240
atgctctgct tcacactgcc gagctgagaa cacagtcaat ctactacacc catcacactg 300
ccttgaatgt agccaccgca tcctctacac taaacacact cgtccaactc tacaatctaa 360
agcacgctgc acaatgacga cccacaaaaa aactcgcaca tggctgatct cttactcgtc 420
actcaccta 429

<210> 25949
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H2

<400> 25949

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gccagagttg ggaccagatg gcacacaaga tctagccttc taccaaagaa gcagccctga 120
acagcaatgg agctgggtccg ggtctgttgc aacagaggat tccgatgact tcgaggttgc 180
aacgaattgc tcgtcagatc tggattgcgt gagaccatct agtgcccaa aagcttctg 240
tttaacaaac ggagggggct cagctgcaag aaagtcccaa ctgaaggggtg caaaaagttc 300
agacatcata ggaggggaatc ctgcaaaaaa gtcacgtcgt ttacagaaaa agct 354

<210> 25950
<211> 412

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H3

<400> 25950

acggacgcgc agtcgcccatt tccgcatctc gccctcccggt cccgtcccggt gccgtacgtc 60
 cgtgctccga ttggccgcgc cccgcctcgc cctcctcgtc aacaaaagcc caccggaagc 120
 gagcgagcga gccaccctcc ccgcccggcga caccgtcccc gtcccagacac taccctcgact 180
 cctactgacc gccggcggtgg ggtgcccggg ctccaccttc ggcgacgaca ccgttcccgc 240
 cgcgcgcgcc ctccacgtct gctccgtttg cgggggtagc cgggtgctccg gcctcggcag 300
 ctcttaaagc cccctgcctc acaacaagat ccaaaattcc gtactagact tcttctacct 360
 ccccttccag aactttctct tttggcatcc cggacggctg atctcgaccc cc 412

<210> 25951
 <211> 212
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H5

<400> 25951

cacaaccaga agccacccat tgcgtacgcg aggcgatcgg gcatecgtcc cagaggagaa 60
 actccggccg gcgacgcggg ggaaaatggg gaagacgccg gtgcggatga aggcgggtgg 120
 gtacgcgctg tcgcccttcc agcagaaggt gatgccgggg ctgtggaagg acatcaccac 180
 caggatccac cacaaggtca ccgagaactg ga 212

<210> 25952
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-H6

<400> 25952

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 attcccgcgc ccgctccatc ccgtaacgcg acaccatgag ggagtgcatt tcgatccaca 120

tcggccaggc cggtatccag gtcggaaacg cgtgctggga gctgtactgc cttgagcatg 180
gcattcaggc tgacggtcag atgcccggtg acaagaccat tgggggaggt gatgatgctt 240
tcaacacctt cttcagtga actggtgctg ggaagcacgt gcccctgct gtttttgttg 300
accttgaacc cactgtcatc gatgaggtga gaactggcac ctaccgncag ctcttncacc 360
ctgagcagct catcagtggg aaggaagatg cagccaacaa cttttgcccg tgtcactaca 420
ccattggc 428

<210> 25953
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H7

<400> 25953
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atcaccaaag ctattataaa tgtatcgaat ggatccaagc cccactctt tgctggcatc 120
atagcacttg tgatgagcat cgcaacgatg gtccgtctga cccgcagcat gatgcctgtg 180
aaggttc 187

<210> 25954
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G12

<400> 25954
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aggcttgtgc ggtggcattg gcgtgcatgc tgatgggtatg ggatcatggg agtttggagc 120
tgctgtggaa cacccttcca aagaagctga cttgtggtgt caatgccacc tgataccttg 180
aacagaaacg actctttcct aggctggcgt gtatccacaa atctgtcgtc acatacacat 240
cacgtacgag aagtaccatg gaaattgtgt atactacagt tgtttcatca gagaggattt 300
tacgcaatga ctgtcacgcc ggagactaca ttat 334

<210> 25955

<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E9

<400> 25955

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tgctctggtg catcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt 120
ccgggccttg tgggtccttc gacatcacca agttgggcgc cttcggcaat ggcaagacag 180
acagcacgaa ggctgtgcat gaggcattgg catcggcgtg cggcggcact gggaagcaga 240
caatcctcat acccaagggc gacttccttg tcggacaact caacttcaca ggcccttgca 300
agggcgacgt gaccatccag gtggatggca atctgctggc gaccacggac ctaagccagt 360
acaaggacca tggtaattgg atcgagaatc tacgcgtgga taacctgggc atcacggca 420

<210> 25956
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F1

<400> 25956

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cttagaaagc tagagggcgt acccatggct cgcgctagcg tcttctttgt cattgcccgt 120
ctcctcttcg tcgccatggt cgcagcaccg atggccgagg caaagtcctg cgatgcccct 180
gtggctgacg cgccagccga tggacctagc gggccatctg ctgcacctgg cccccagggt 240
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cgtcggcccc gttaaatttg gaacacgaca tggaagacaa atgagagcaa tgtctttaag 360
accatgataa tgtgtggtca ttcactcatc catggatata tccttgctct gcctctgttt 420
ctttctgtac gatcatcaat gtgttatcat gttgttagct aactgtatcg act 473

<210> 25957
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F10

<400> 25957

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gagcctacaa cggacagggt tgttgatc acattctggac cagacgaaag atgcattcct 120
ggaaacacca tcgcccgtcca agctgacatg ccatacagt gctgtgcatc gttcggaaca 180
gcatttttgt ccaagttcga atgttctcag atgccacatc cactgttaga gcacgtgacc 240
ttcgtggaca ctccaggagt tttatcaggg gagaagcagc ggacgcagcg cagctacgat 300
ttcacgggag tcacgtcgtg gtttgcgggc aagtgcgacc tcattcttct cctgtttgat 360
ccgcataagc tggacatcag cgatgagttc aagcgtgtga tcgggtctct ccgcgggcat 420
gatgacaaga tacgcatagt tctcaac 447

<210> 25958

<211> 414

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-F11

<400> 25958

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ggggggacag gaaatcagcg gccatggcct cgattccggc gacgacctc gccgtcatct 120
tatccgtcct cttctgtgcc ggggctggca ccgccgtcga caacgacctc cccgactacg 180
tcattccagg ccgcgtctac tgcgacacct gccgcgccg gttcgtgacc aatgtcaccg 240
agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc ggcaagctcg 300
agcgtccat cgacgngtg accgacgca acggcacgta cacgatcgag ctcaaggaca 360
gccacgagga ggacatctgc gaggtggtct tgggtggagag cccgcgcaag gact 414

<210> 25959

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F12

<400> 25959

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 gggcgctgtt cgtggaggag tcgcggaggc tgtgggcgat cggcgcgccc atcgccctga 180
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 tcctcctcgg gatgggcagc gcgctggaga cgctgtgcgg ccaggcggtc ggggcccggc 360
 aggtgtccat gctgggcgtc tacatgcagc gctcctggat catcctcgcc gccttcgccg 420
 cgctgctcac gccgctctac gtgtacgc 448

<210> 25960
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-045-Q1-K1-F2
 <400> 25960

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 tgaaccatag ctagccagca tggcgcccag cagcagcata gcagtactgc tgctcctcgt 120
 cgtcgccgtc gtccctctcca acgtcccctc ctcgggcgcc ctggcctcct cgtcgtcgtc 180
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 atcttcgtcg tcgtcgtcgt c 261

<210> 25961
 <211> 455
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-045-Q1-K1-F3
 <400> 25961

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 gcgccccca tctccctcga ccccgacatc cccgaccgca tggcgcccaa ggcggagaag 120
 aagccagcgg agaagaagcc ggcggccgag gagaaggcgg agaagacgac cgcagggaag 180
 aagcccaagg ccgagaagcg gctgcccgcg tccaagtcct ccggcaagga gggcggcgag 240

aagaagggga agaagaaggc caagaagagc gtggagacct acaagatcta catcttcaag 300
 gtgctgaagc aggtgcaccc cgacatcggc atatcctcca aggccatgtc catcatgaac 360
 tccttcatca acgacatctt tgagaagctg gccggcgagg ccgccaagct ggcgcggtac 420
 aacaagaagc ccaccatcac gtcccgcgag atcca 455

<210> 25962
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F4

<400> 25962

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 aggattccaa catgatcccg cgcaagcccg tcgaagcagt ggtggtgggt aagggttaagg 120
 tggccaagga taccgtgtcc gagtcacctg ctccaagccc cgcccccgtc tccgcccctt 180
 agttgcgtgt tgggcgcgcg tgcccgcggy ccccgggcca ccatgcgtcg tgtctgcgcg 240
 cgcacgcacg cattgaacgg gagatagaat atggtatcgt tcaatgcaga ttgccatgct 300
 atagctccag agtttatcta cctggtagca ccatgacacg atggcccgtt cgtattttct 360
 ggcttgctcg tacttttcag ttccatggtt ttacaacacc ttttactccc agcagaaaat 420
 ccttaatatg catgtactcc tctttttttc c 451

<210> 25963
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F5

<400> 25963

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 catcatcggc gacacaggcg tggggaagtc atgcctgctg ctgcagttca cggataagcg 180
 cttccagccc gtgcacgata tcaccatcgg cgttgaattt ggcgcccga tgatcaccat 240
 cgacaacaag cccatcaaac tccagatttg ggacacggct ggccaagaat cattcagatc 300

tattactagg tcatactaca gaggagctgc tggagccctt ttggtttatg atatcactag 360
gagggagacc ttcaatcatc tcgcaagttg gctagaagat gccaggcaac atgcaaattgc 420
taacatgaca gtgatgctga tgggaaacaa atgtg 455

<210> 25964
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F6

<400> 25964

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cccaaactcg tgcgccatct gctgaagcaa tcgatcccg cgcgtttgtc tgtcgcgtcg 180
cgcgcgcgaa cgtgagtacg tacgtgtcta ccggcccggc ccgccccgcc ccgtccatgt 240
gtacatccgt cgtcgtgtta cgttattatt acgatgagaa gacagacgaa tcaaactagc 300
tactcgtagc ttttattatt ttgtgagtcc aaagtccaaa ccgtatagct gccagttcgt 360
gaatgaatct gtaattaaat tctccatgaa aaaaaaatga ctccaagctg 410

<210> 25965
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-F7

<400> 25965

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gggccggacc tcctgggact tggcttgctg ccgccgccga tggccggcgg cggccacgga 180
ggtggttcag cggcgcacga gaagacggga ttcgacgagc ccctacgttt cgcgcgtgac 240
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ggcgtcgtcc ctgcagcacc ttcggcgagc atgccgaagc cgnccgcgtc gtcgacggca 360

cggtgggcgc cagctgagct ggcgtcgtcc ccgacgaagc tcggttcttt cagggagatc 420
t 421

<210> 25966
<211> 231
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F8

<400> 25966

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gggtactgttc acggtggcaa cagtaatcat tatcaatctc agtttgggaag gcactcaagt 180
gacatggagt ttgatgatcc tgctatatta gccatgggca aagggctgat g 231

<210> 25967
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F9

<400> 25967

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gacacttagg gcttgtagcc gtgcctgtgg ctagtcatta atgagggaga catgctttta 180
ctgatcta atgtatgtagac tcaattacat gctattacga tacgggatac tatgcacact 240
acttttccat catcagcctg aattgagcgc ttttgcgaga gttgacactg tgtactcaac 300
cactgtctg 309

<210> 25968
<211> 212
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G1

<400> 25968

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tcgtgcccgg gcgatagact tacctactga atgctactac tggagacgag agacgggtag 120
acgggtgatcg ccctcatgat actcggctag ctgccggcgt cgacagactg catcaacttg 180
ctacggggctt gctcacacca taagactacg gt 212

<210> 25969
<211> 465
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G11

<400> 25969

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aggaggacat ggtgcacggg acgctggagg tgctgctcgt tggggccaag ggctcgcaga 120
acaccgatta cctctgtaac atggatccgt atgcaattct caagtgccgt tcacaggagc 180
agaagagcag tattgcaact ggaaaaggaa ctaccctga gtggaatgaa aactttatct 240
tactgtgtc tgaccggaca acagacttgg taatcaagat tatggacagt gatacaggca 300
cagcagatga ctttgttggt gaagcaacga ttccattgga agcagtgtat actgaaagga 360
gcattccacc aacactctat aatgttggtga aagggtgaaa atactgcggn gaaatcaaag 420
ttggtctcac attcactcct gaggatactc gccagcgggg tctcc 465

<210> 25970
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E7

<400> 25970

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tcgcgaacgg tttgcccagc ccctcagagt cttcaatatt cccacattcc gccaccaat 120
cgactttacg ccagtctcgc actcttctga aagcgtctcg cgcgcctgtt ttagaaagga 180
aggaggacaa ttacgcagtg ctctatgtcc acatctggca cgcctgcac taagtctgga 240
acacccgctc tggaattac tgactacagc acgtgactgc agcctgatgg ccaaaagcct 300

ggagataaga ccgctgggca tcacgacatt gaagacagat gagagcaatg tctgtcagac 360
catgataatc tcgggtcatg cactcatcca tggatata 398

<210> 25971
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D2

<400> 25971

ggaggactcc acgcgcgagc ccgcccgcgc cacctaccgc cgcgcccgga tccccgcat 60
ggccggcgcg ccgcaccggg cccaggtcca cgctgatagc acgactccgc tgcagacgga 120
gcctgtactt gagaataacc cctgcaagag tgcaaacgcc aaggaccaga ttctttcttg 180
tacagagaat gtgactacag gcaatgcacg gtgcgctagc tacttgagac cgcccaacgg 240
tccaccagag aaggctagct ctgtgggaaa agctggagag caaccttata tctaccagca 300
aaat 304

<210> 25972
<211> 272
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-D3

<400> 25972

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gggtggccgc cttcgaaggc ttccgccggc cgaacaaggc ctttcccag gccttcaaag 120
gccggtggcg gttcattctt aaccaattga acggctttct cattgtccac ctcaatcgcg 180
ccgctgaggc accgcgacga cgcgcccag aagtatgggg gtggcgtcgg ggctcgccat 240
gccgtgcagg cctcagctca gcgtctacat gc 272

<210> 25973
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D4

<400> 25973

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atccattctc cagcgcagcg aagtaaacaat gtctgaccgg gcaaagatgt cgtggcaggc 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcgcgg tggcggccat 180
cgtcggccac gacggtgccg actgggcgca tagcacggcg ttccccgagt tcaagacct 240
ggacatggcc aacatcatga aggacttcga cgagccatgg cacctcgcg cgtcaggcct 300
gttcctcgta cctaccaagt acatggtcac ccaaggcgag cctggtgccg tc 352

<210> 25974

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D5

<400> 25974

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gacaagaatg tgatcaagct tgtagcagcc taaaatgcc caccagtttt ttacattatt 120
accgagttcc ttcttgagg ctcaataagg tcatacctaa acaatccaga gaaccacccc 180
atccctctag agagaacat atccatcgct ctgatgtcg cccgtggctt ggaatacata 240
cattctcagg ggatcgttca ccgtgacatc aagccccgaga acattctctt cgacgagAAC 300
ctctgcgtga agatcgctga ttctggcatt gcctgccagg aggccttatg cgatgtgctc 360
gtggaggacg aaggcactta cagggtgatg ggcgccgaga tgatcaagca gatagcgtac 420
aaccgaaagg tcgac 435

<210> 25975

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D6

<400> 25975

cccacgcgtc cgcccacgcg tccgcactaa tccaagacaa aacatggctg tgaatgtgag 60

aaccatgtgg tcgtcgatgc gggctcaggt tgcgatgggt gtggcggttg tgttccttgg 120
gagcggagca tgggtcggttc ctgataaagg gcctccaggt aagaacatca gggctaccta 180
tggcatggac tgcctgggtcg ctacagcgac atggtttggc aaggttactg atgccggaca 240
tgaccataat ggtggcggat ttggatgcgc ggacgtgaat aaggccgact ggactagtac 300
tggcacatgc cgagtccatg gtcattcaaa ggatgccttg tgccgtgatt cctgcttcga 360
gatgatct 368

<210> 25976
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D7

<400> 25976
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ggtgaagctt aactgaact gcagctggca ccttcctctg gtgaggaggc catgacatgt 120
atgtgtagtg agctgcccag ccaggaggtg gaggtccaa gcagtgaccc tttggagaat 180
aatgaagaaa cgaaaaatga agctgctgct caaggatcag taaatgagga ttctgctcct 240
cgtgctgaaa atgcaaagat tgatgaagct gacacagaac aggaactgct tccatctgggt 300
gaggccacgg tagacgaatc cagcgagcta ctcagccaag acgaaaaggt ggctcgtaaa 360
gatgcaaaga tggaagagtc tgctgctgct gctgctgcac agagacagct aactactgaa 420
gttgctcatg caagtgaaaa cgcgaaact 449

<210> 25977
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-D8

<400> 25977
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cgataccacc aactacatgg aggacagcct cgtggactgg gcgcgccccg tgctgagcgc 120
cgcgctggcg ggggagacgg gcttcgccga gctcgtcgac ccccgctctg gaggcgagta 180

ctccgtcgtc gaggtggagc gcttggcggc ctgcgccgcc gccagcaccc gccactcggc 240
 caagcgccgc cccaagatga gccagatcgt gcgcgcgctg gagggcgacg catcgctgga 300
 ggatctgcac caggacggcg gcaagcccgg gcagagcgtg ctcttcttcg gcgggggctt 360
 cgacaacatc tccgcctaa ggcagctcgc cttegacagc ggcgactact cggactacag 420
 caccgactcc tncaccggtg gtggt 445

<210> 25978
 <211> 437
 <212> DNA
 <213> Zea mays .

<223> Clone ID: LIB3066-045-Q1-K1-D9

<400> 25978
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 tggccgactg cgatgggcgc tgcgatcgc gtgcgtcccc ttggaaccga ctgccttctg 120
 gcatcgccaa gcccgctgcc ggggctgcc tgcgtcgtagc ggcgctcgcg tctctcttcc 180
 tcgcctctcc gcgtcctcgc gccgcccgc cccagcggg atccggggcc ctcatgtcga 240
 aggcaaaggt ctacaccgac gtcaacgttc tgcgtcccaa ggagtactgg gactacgacg 300
 cgctcacctg ccaacggggg gagcaggatg actatgaagt tgtcagacaa gttggaagac 360
 gtcaatatag tgaggctctt gaaggcatca atgttgacaa ttatgagaaa tgcattgatta 420
 agatccttaa gcctgtc 437

<210> 25979
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E10

<400> 25979
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 ggtcctggtc gccctggcgt ccgcgctcct tgggtcgggc ccggccggcg cgaacgcgcc 120
 cggcggggcg ttcagcaact ggggtggcgat gaaccagcag agctacgcgc tgtacgcgca 180
 gaagtccgtc ggggacgggg gcaaggagcc cctggacaag aagctgtcgg aggcggagaa 240

gaagaaggtc acgtacgtgg tggaccccag cggcaagggc gactacacca acatcaccgc 300
 ggcgctggag gatatccccg tgagcaacac caagcgcgtg atcctggacc tcaagccccg 360
 cgctcagttc cgcgagaagc tgttcctgaa catcagcaag ccgttcatca cgttccggtc 420
 ggaccccaag aagcccgccg tcgtggtctg gaacgacac 459

<210> 25980
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E11

<400> 25980

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 tgtgcttggt gggaacaaaa ctgaccttgt tgacaagagg caagtctcaa tagaggaagg 120
 ggagggcaag gcgaaggacc ttggagtcac gtttattgaa accagtgcct aggctggggt 180
 taacattaag gcgctgttcc gtaaaattgc tgctgcactt cctggaatgg agacgctctc 240
 atcagcgaag caggaagaca tggttgatgt gaacttgagg tccggcaaat gcaaactcgt 300
 cccagtctca ggctcaggct gggggatgca gttgttagtt gcagtctctg acacttgctt 360
 gctcatgac tttgggactc tgagcatcag aaagcgttat cactgatgct tctcttcgga 420
 agaagagttg attgcctctc gccagtgaac acaccat 457

<210> 25981
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E12

<400> 25981

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 atttgaattg gtaaacagag aaaagaggaa actgacactt ggcgacattc cattgtccct 120
 tacatgtgca cttcataaag gatctatact aacggaccca acttctgaag aagaatcaat 180
 tatagagacc tatgtgactg ttgtcgttga ttcttcagac cgcctagtgt cattacaaaa 240
 agttggaggc acagtgacat ccatggcaac tattaaggag tgcattagct tggcgaaaga 300

aaggaggctg aggctaagag aaattctgat agactctgtc aaagccatgg aagtcgacca 360
 tactgaataa ttctgcagat acattcagtt aatctaaccg gggatattct tgatgggtct 420
 ctgtgc 426

<210> 25982
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E2

<400> 25982

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 gacctgcctc actcacttag gcgtcttggg gagtgtacat tttatgatga tggcactgct 120
 aagggagagt tgccctgaaac agtttattgc tttgatgggtg tcttctataa ttacttttagc 180
 ataggaatgg atgctcaagt ggcttatggg tttcaccaat tacgtgatga aaagccattt 240
 cttgcaagtg gacctttatc caataagttg atttacgcag gatataacctg caagcaagga 300
 tggttcttta cgcaatgtat tagtgatcct gagttaaagg g 341

<210> 25983
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E3

<400> 25983

cccacgcgtc cggactagtt ctaggacggc ttcacctcgg cgtcttcaca aacgccggcg 60
 cgaactctgg cccgagcccg acagatcttc aattccccat tccgccacc gatcgacctt 120
 cagccagtc tcggtctctt ccgaaggcgt cgcgcgcggt tgtttgagag gagaggagga 180
 agatgagggg gtgcatctcc gtccacatcg ggcaggccgg catccaagtc ggcaacgcgt 240
 gctgggaact ttactgcctc gagcacggca tccagcctga tggccaagtg cctggagata 300
 agaccgcggg acatcacgat gatgccttca gcaccttctt cagccagact ggtgctggga 360
 agcacgttcc ccgtgcaatc ttccgtgatc tagaaccac tgtgatcgat gaggtgcgca 420
 ctggcacgta cc 432

<210> 25984
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E4

<400> 25984

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 ggagaaaaga agctattgag gaacattccc gtgaatgaga aggcaacaac tactgtagag 120
 aaaccttggg ttgattaaag agacgcatta actggcacag aagatttaga tattggggaa 180
 aacagctctt tagaaacgct taccaacact gttgacacat gggaagatgc tggaatatct 240
 gttttgcggt tcaacattat ggctgaattt tct 273

<210> 25985
 <211> 449
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-E5

<400> 25985

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 tgcacccacg gtgccactag cgtctactcg atgctcacgc tcagtcacct ctccaggggc 120
 agggcaccag tcgtcgccgt gtacctgttg caccttgctg agctcgcgac atcgcgcaag 180
 tacgccatca cgcagcagct ataccacgcc cgggatgggtg gcgacgatga ggacgagtgg 240
 ggctacgcac gtgagatcga gcatgtggcc tncgccgtgg ctaccttcac ctatgacaat 300
 gccatcctcg tgcggcagat gacggccata tccagcttgg gctctatgga cacagacgtg 360
 cgcaactgtg tggaggatgc gcgtgcgtcg ctggtgatca tgcccttcca caaggagcag 420
 cgctacgatg ggcgcatggt gtgccggca 449

<210> 25986
 <211> 401
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-E6

 <400> 25986

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 accgtaccca tggctcgcgc tagcgtcgtc tttgtcattg ccgctctcct cttegtcgcc 120
 atggctgtag caccgatggc cgaggcaaag tccgccgatg ccctgtggc tgacgcgcc 180
 gccgatggac ctacggggcc ggctgctgca cctggcccc agggtgtcga aggcctgtca 240
 ggcaatgagg atgacgatga tgactccacc aattgaggcc acacacgtcg gcccggttaa 300
 atttgaaca agacattgaa ggaaaaatga gagcaatgtc tttaatacca tgataatgtg 360
 tggtcaccca ctcatccatg gatacatcct ngctctccct c 401

<210> 25987
 <211> 257
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-B7

 <400> 25987

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 tgatgcatta ttgctgatag catctgttcg ttggccagat gagtagagag ctgacaaaat 120
 gttaagaaca ccatagagag aagtacatcc gctctctctc aactcaagga gcanacagca 180
 acacttaatt atgagtctgc tatactgatt atcagtcgcg taacatttgt gaacaagtta 240
 ttgaaatatc tctttttt 257

<210> 25988
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B8

 <400> 25988

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 gtctctctcc tctctccaac accccatcca tcagcgtcgc cctccgcatt gctcttgata 120

ccatccagta catcgattct ccccccaaga tcaaaggccg gagaaggagg aagaaaggtt 180
 agggagtcgg ctatgggatg cttttcatgc tgctgtgtgg cagatgacga caacgttggc 240
 aggaggaaga agcatgacga tccctatgtt cctatccctg ctcatgttta taattttgga 300
 cctagccgggt tcccagcccc aaccctgtc atctccactg gcagagctca gccaatgca 360
 gtaccggcca ttcattctgga agagctgaag gaaattacaa aaaacttcag cagtgatgcc 420
 ctcattggcg agggctcgta tg 442

<210> 25989
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B9

<400> 25989
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 cggtccttgc gacggaagag accgagacct agcattggcc gcgcgcggga gtgggctgca 120
 ctgcagtgca ggtgggtctc gcatcgacg cgaggaggat gtaggctgtc gacgcccggg 180
 agaaaagggtg aagggtggagc ggggtgggcaa tgagccggca cctgcaccgc tgcttcgcgt 240
 ccacggggac catgttctct tgggcgctct tcctggtggc catgacggcc acgtacctga 300
 gcgtgcaactg ctctgtcgac agcacctccc cgcgctactt cgcggcgtcc tgtggcgggc 360
 tgcaactggga gcgccagatc cgggcgtcgg cgtcgacgcg gcggcgggtcg gcgcctgggc 420
 cgcccgcggg gctgtccgtg ctctgcacgg gc 452

<210> 25990
 <211> 490
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C10

<400> 25990
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 atttgaggtg tggaggtggg gaatgaactg aatttccact tcaagtcccc gggcattatc 120
 tctcaatgtc tctagtcatt caaatcagcc cctgagggcc ctgttcgttt caagctcaat 180

ccatatggat aggggattga atgggttttaa atctctagca agtcaaaatc attcctaatt 240
cctcatgttg ggagagtgc tccagccgaag gtcctcaaac tacaaattcc aagttttatg 300
atctgtttcc agatcattct tcgtcacggc atgcctcagc cgaaagctat aaaatgaaaa 360
cgaaggctctg gagcaagtaa ctgggaaacg aagaaggaat caagtgcgt gcacgtaacg 420
tcttcaagag gaacagaaag acgatatctc tggtagatta ttagctcac gtgtataaga 480
tcaaagggtca 490

<210> 25991
<211> 457
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-C11

<400> 25991

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gcgggcctcg ccgagctccg cggcgaccac atgcctact ccaagttctg gcacgccgtg 180
gcgggtgccg ccggcgggga caccaggcag cggggcgggga tgccgctcct gcgaagccgg 240
gacggcatgc tgctggccta cggccggcg ctgctcgccg ccgcccgtc cttcgcggtg 300
ccggcgccg tcgagggcg gcgcgccgag ctgctcagcg ccgcgctcg cgcgcacttc 360
ctcaagcgga tctcagagt gctgtgcgtg caccggtaca gcgggagcat gccgctgggc 420
acggcgccca ccatctnctg cagctacctg gtcagca 457

<210> 25992
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-C3

<400> 25992

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tccgaattga atgacaacga caacaagcta ggacggcagc agcaatgccg gccccggcg 120

ctgttctatt ttgatcccag gccagcgat gcattggtac ggtaaccacc gactgctatt 180
 ggtacggtca ccaccaccac agcagcaaca gcatcgccct gtcgtcgtcg tccctgtccc 240
 tccccgctg cagcagcact agcagcatca cctactcctg ccacctgcag cagcagcggc 300
 atcgtcgcac catgggcggg caccagctgc acctgtcgtc cncgaccgag gtgctggggc 360
 acgtcacccc ggcgtgcgc gacctctacg ccgtggggcg caagctcgga caggggcagt 420
 tcggcaccac gtacctgtgc acggagcttg tccacggc 458

<210> 25993
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C4

<400> 25993

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 gggcggttc aatgactcgg gcatctagcg cgtacgctcc aacatctgag agaggcacga 120
 cctctgcgag cagcaccaca tgagcctcag actcgtctga gcgtgcacta gcgactagta 180
 caacatgcga cacaccagcc tgcgttgagg caaggctcgc gggctgcca tgccacaggc 240
 cctacagcga ccgctagagc gttgaccgat agcacacggg gctgtacaca actaaaggaa 300
 agcgagaggg gactctttct cgcgactact tgtataacca ggcttgatg tcccctcctc 360
 gtttattctc tctctctctt ttttagttcg ctttcgaggg ataataaccc aactaaaaac 420
 acaaaagggc tcaagacttt atcatgcatg catg 454

<210> 25994
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C5

<400> 25994

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 acagggtggc atggctatgg cgttggcgtt cttggtgagc ggcgcctggg gcggctcctc 120
 caagggtccc cctggcaaga acatcacagc cacctatggc aaggactggc tggacgctaa 180

agcgacatgg tatggcaagc cgacgggtgc cggccccgat gacaacggct gcggctgcgg 240
 gtacaaggac gtgaacaagc ccccccttaa tagcatgggc gcgtgcggca acatccccat 300
 cttcaaggat ggtctgggtt gtgggtcctg ctttgagatc aagtgcgata agcctgtgga 360
 gtgctccggc aagcccgtgg tgggtgcacat cacggacatg aactatgagc ctatcgcggc 420
 gtaccacttc gatttggc 438

<210> 25995
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C6

<400> 25995

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 aattcttata taataaaacc tatataaaat taattaaata atctatatac aacattaata 180
 catattaaaa cattatcatt tcccaactcc ttttaatttc tatcacattt ccctttatac 240
 atcttgctca atttgtcaac atgttcttac ccactatatac ttctatcag ttctcaatt 300
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<210> 25996
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-C7

<400> 25996

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 gacgggatca cgactttcaa gacagcaacc ttactgccc aaggcgacgg gttcatggcg 180
 atcgggatgg ggtccagaa cacggccggc gcggagaagc accaggcggg tgcgctgctg 240
 gtgcagtcgg acaagtccat ctctctcaac tgcaagatgg acgggttcca ggacacgctg 300
 tacgcgcact ccaaggcgca gttctaccgc aactgcatca tctccggcac ggtggacttc 360

atcttcggcg acgcggcggc ggtgttccag aactgcatcc tgggtgctgcc gcngcccatg 420
gacaaccag 429

<210> 25997
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C8

<400> 25997

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cgttcgacaa cgcgggcatg tggagcgtcc gctccaacat ctgggagagg cagtacctcg 120
gcgagcagct gtacgtgagc gtcattctcg cggagcggtc gtcaggagac gagtacaaca 180
tgccggagac cagcctccgc tgcggcaagg tcgtcggcct gccgatgcca ccgtcctacc 240
gcgccgtcta gagcgtcgac cgatcgcgca cgggtgctgta cacaactaaa ggagagcgag 300
aggggacttt ttctcgcgtt tccttctcta gccagccttg tctgtccctt cctcgtttat 360
tctctctctc tcttttttcg ttcgcttccg aagaataata cccaacaaa aaaaacaaag 420
gggctcaaga cttcatcatg catgcatgca taac 454

<210> 25998
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C9

<400> 25998

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caggetcgta tctacgcttc caagacatct ccataactaa atccactaca tcaccttcac 120
aacctctctc actacaaatt cttcttgcta gacacatact actgctatct ctgacaccac 180
ctctattacc ataaagagac ctatcccatt aatcactaat gtcctatcat atgatatcaa 240
tgactgacag actttaatgt ccttgacaaa ctccaccttg atcgctatct ctacaaccac 300
gactactcca catactggct tcaattccta ccaggctctc aagactatgc tcacatacct 360
ttattat 367

<210> 25999
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D1

<400> 25999

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ctctaaagac aaaagtggat ttcacacttt gaaatcctgt gcttaaagtg acctgtagga 120
ataggagacc tactcatagg aacaaaaaca aaactatttt tgtaggtata tatagggtact 180
tgaatgattg ttcttatgac acttgtctga tttgattctt tgattgagtg tgatggggtg 240
tggagtaatg tccacaatca catctgcata tacatataga aaaaaaacgg ttataaaaaat 300
atctaaatga actagggttat ccctcatcaa agaatctagc ctagcaaaat ccatcttata 360
ttgaaaaggt ctatcctaca ttcatagatc catcttatcc taaaaaaaat agattctcat 420
cttatcttga aaagaattat cttatcctaa tagatctata tg 462

<210> 26000
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B5

<400> 26000

aaaaaaaaa aaaaacaaaa taaatataaa tattaataaaa aaaaataaaa aataaacaaa 60
agggataaat ataaacataa aaaaaacaaa atacaaataa aaaaaaaaat aaaaatctaa 120
atacaggcaa aacgggcttg ccgttttatg ggccccaacc ttcccttccc ttcttttgga 180
tctcatatct cttctctggg gtcccttaca ttacttctgt ttgccctgt tttacaccgc 240
gttgccctggg aaatccctgc tttactcag tttatcccct ttccagattt tcctcttttg 300
gccatttggc aatttctcta tatggc 326

<210> 26001
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A10

<400> 26001

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gttgacaagg gtaatctgaa acttactaga acattcgagt tcattatggt cagattggta 120
tgtctcttgt aagtcaggct ggtgactgga ataaatcttg catacctgaa ctcaataggc 180
accgatgcgt atgtaaccct actacttggc atgtagaaaa ttaagacgat cgtgaagaag 240
agatctgtga acacgatctg gcacgatgag ctaactctga ccgtcataga tccaagacta 300
gctctgaagc tggaggtggt ctacaatgac acgttc 336

<210> 26002

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A11

<400> 26002

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cggtaatagt tcctaaggat tcccttaagg caacagtgct gcggatttgg aaagggcaat 120
catcagtgat acatgtccgc atgaaacgtc atgcaatgag tgagatgcca aaatcagatg 180
atgacgtttc aaaatggtgt aaagacattt ttgtggcaaa ggatgcctta ctggacaaac 240
atttggcaac aggcactttc gatgaggaga ttagacctat cggccgcca gtgaaatcat 300
tgctggtgac cctgttttgg tcgtgcctgc tgttgtttgg tgccatcgag ttcttcaagt 360
ggacgcagct cctatcgaca tggagaggag tggcattcac tgccgcaggg atggcgctcg 420
tgacaggggt catgcacgtc ttcacatgt tctcccaggc tgagcggtcg agc 473

<210> 26003

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A12

<400> 26003

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ggggatggta ctgctcctaa tgctagggta gcattcaagg ttaatattat gtatgcaaca 120
 tccatcaatg agtgagacac ctgaatgaga tcatgacctt acatactgat gtacatgcat 180
 actcgaggca tatgatacct tactgctcaa acatttgaca actggcacta tctataagta 240
 gatatgacct atctctctat cacagaaatc attgattgtg accctg 286

<210> 26004
 <211> 383
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-A2

<400> 26004

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 tttcttttct gacacatcga ttctgaccaa tctctctggc ctgctgcttc ctgataatcg 120
 accagttccc cagtcttgct ccttgcactc ctccctccat ctccagcatt gtgttctgat 180
 tcacctgctc caatggctga tctttctgct gctgatgctt ccccggtctc agctatcggg 240
 tttgagggct atgagaagcg ccttgagatc acattctctg aggcacctgt ctttgtggac 300
 cctcatgggc gtggttggcg tgcctctccc agggcccaga ttgactctgn tctggatctt 360
 gcacggtgca caattgtgtc cga 383

<210> 26005
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A3

<400> 26005

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 ggtgagagga gccggcggcg gaggtgaatg gcggtggagt accactgctg ctcggcggcc 120
 tttttcgagc acatcgtcat catcatcgtg ctctgtctct tcgcgggcct catgtcgggc 180
 ctccacctgg gcctcatgtc cctcagcctc gtcgatctcg aggtcctcgc caagtccggc 240
 accgagcagg atcgcaagca cgcagctaag attttacctg ttgtgaagaa ccagcacctt 300

ctgctatgca ctcttctaata ctgcaatgcg gctgcaatgg aggcctttgcc catattcctt 360
gatagcttgg tgacagcttg ggggtgctatt ttaatatcag tgacactgat tct 413

<210> 26006
<211> 283
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A4

<400> 26006

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ctcgctcgtg gctggcggtt ggtacgtgcg cgcgcgatgg acaggggaac ggtggaggac 120
ctcatacggc ggttgctgga cgggaagaag cacatggcga cggggaagaa ggtgcagctg 180
accgagaccg agatccggca cctgtgcgtc accgccaaagg agatcttctt ctcccagccc 240
aacctctctg agctgggtggc ccncatcaac gtctgcggtg aca 283

<210> 26007
<211> 140
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A5

<400> 26007

gcgctattca aaggatggtt agtacaagag atatttctct cccctcttcc acagatacaa 60
gtccttcaac caaccaactt caaatcagga aaaggatgct gtcacctca tgctcagtgt 120
tcgtcaagca aatcttcttc 140

<210> 26008
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A6

<400> 26008

acgccaaaggc tggctgccta ttgattggac ctgtaccatg gatgactaga ggctcgatat 60
tgggtcgggg aagctacgtg cagcgcgtat ggacatggga acggtagagg acctaatct 120

gcagctgatg aacctaaga cacacattgc gacagaaaga aaggtacaga tgaccgatac 180
cgagatccag cacatctgca tcaccgcca ggagatctta ctctgccagt acagccttct 240
agagctggtg gccccatca acgtctgcgg tgacatccac tggcagttct cggacct 297

<210> 26009
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A7

<400> 26009

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ggtaaaaatc aactcactaa caaatgcaaa taacaatgca aatcctacta cttcctccag 120
gccatcacac tagctcctct acttgattat cttgctcgtg cttacaccga tcctgctggt 180
catctctacc ctctacttca tgtctttctt cctccactat accatcttc 229

<210> 26010
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A8

<400> 26010

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caaccgccac atcagccatg ggcgcctgcg caaccaagcc caagacgctt gaggggcagg 120
ccccagctga ggccgcccgc tccacacca aggttgccgc cgaggccact ccaatctccg 180
ttgaggttgc ggctgatgaa caggtagctg agaaggtggt ggtggaggag ccggctgcgg 240
cggccgacgt tgagcatcag aaggctaag aggtgctcgc tcagaggcg gccgtcgccg 300
agcccgacca caaggaggag gaagccgtgg agaagaccgt cgtcgaggag gagaagccag 360
cggcagcagc ccatgcagag gaa 383

<210> 26011
<211> 451
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A9

<400> 26011

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ggcttaattg gtaatctgaa cctaacagga ccatttaagt ggatcatggc cggatgggta 120
ggacttctgg aaagtccggg tggtgagggg caatcaacct tgcctaccgc gacgcaggaa 180
gcagcgatcc gtatgtacgc ctacgacttg gcaagaagaa acttaagacg agcgtgaaga 240
agagatctgt gaaccccatc tggcacgagg agctaactct gaccgtcaca gatcccagcc 300
tagctctgaa gctggaggtg ttcgacaagg acacgttcag caggagacgac ccgatggggg 360
acgcggagat cgacgtggcg ccgctgggtg aggcggcgaa cgcgagcccg gatgcgagcc 420
tgaggaacgg cgccatcatt ctgtcngtgc g 451

<210> 26012
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-B1

<400> 26012

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agaagatcgg cgccatggcg gcaacgacga cgacggggat gcagatgatg caggtgcagc 120
aggcggcggc gttgctgctg tgcttggttg tgttggcggc gtctacgagg gtcgcgctgg 180
gcaactgccg cgacgactgc atggctgcat gcaacggctg gaccatcgtc tgccagctct 240
cctgtgccag cgcgtgctac ggagaagtcg ggatcacaac cttaggtacg tcggctgtat 300
tagcgaaagc agaagcgctt gcatcagcac cacaagcagc acangagcga ggcgccgncg 360
ncggcggtgc cgcgctcaga gggttcaagc tatcatcacc gacgaccgtg ggccgtggat 420
gannataata aggccccatg catncatgca tcatgcatgc atgcct 466

<210> 26013
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B10

<400> 26013

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tggaagcgc catgtgcctc tacagaagcc accgcgtgat gaccagcttc atccggcagg 120
gtgggtacag tagctagcta tagccctagt ctgatgtaag aacaaattta tattatccat 180
cccatattgt ctttaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaag ataaaaaggg 240
tagac 245

<210> 26014

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B11

<400> 26014

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cgggcgtacg tcgggccgaa gatcatcaac aggaagggct acgacggggc caaggccgac 120
atctggtcct ggggcgtcat cctcttcgtg ctctctgcgc gctacctccc gttccacgac 180
gccaacctgg tggagatgta ccgcaagatc agcagagccg acgtcaagta cccgcagtgg 240
ttctcccctg agctccggcg gttgatgcc aagctcctcg aaccgaacct aaacaacagg 300
atcacgatcg agaagctggc cgagcacccc tgggttaaga aggggtacag gccggccgctc 360
atgctggcac agccgcacgg ctccagcagc ctcaaggatg tccaggctgc cttcagcaac 420
gccgaccaca aggacagcag ca 442

<210> 26015

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B12

<400> 26015

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gcgttaagtt gatgtcgcat ttacatgaag tgcaactgag ctgaatattt atatattcaa 120

ttccatatcc atacactaca tatgatgcta agctaataaa aagtagatgt gtatgtatga 180
 gtgtcatatt gaagtttatg gtccaaaata tctttatagc ctactatata taatctctac 240
 aatacttttg tgaactacgg cagttgatac tcaatctcct cgaactcaac ctaaacaaca 300
 tgatcacgat ct 312

<210> 26016
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B2

<400> 26016

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 tgatctacat ctcgctgtcg cggaaggaga aggaagacga tttccttgcg atgaagggca 180
 ccaagctgcc ccagcggctc catgaaaagg gctaagaacg tggaccagac cctgcaatct 240
 gtcttgccgg agatgtggct gtccgatttg acgaggggac ggtacgaggt gcgggagaag 300
 atatgctgta cgaagacgcg aagagggctg aaagggatgg agagcattga cagcgactcg 360
 gagcctatag atg 373

<210> 26017
 <211> 182
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A1

<400> 26017

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 gacattaaca acaagaacca acacaagggc accgagaact ggatcttcgg cacgcttctt 180
 ct 182

<210> 26018
 <211> 408

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-B3

 <400> 26018

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 caaggtcagc accaccttgc agcggcctcc agtgcttgct gtgccggcag ctaaggcatc 180
 gccatccacc ttgccgagga gtaagccatc tccaaggcct agttctgaca gttgcaaagc 240
 ggcagcatca ctgaaaccta gcagtcagag ggtcatgttg ccagggtgctg ctcaaggaga 300
 caaagttcag ccaactgtcta ccgcacagtc acctgggtgca gctgcaagga agagattgga 360
 tactgttaat ggtgctacta ccaactcaaa agctaaaagt gtttctca 408

<210> 26019
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-B4

 <400> 26019

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 aattgcctgg gcttgctttt acacttgtga aaatcggtga ttttattttc ctgctctcgt 180
 ctgaggttag tgtaataatt caacgtttgg agtttcttgt tttaactgta ttttacatga 240
 aataccacct caaaatcctg ttgtggaatc agc 273

<210> 26020
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-G12

 <400> 26020

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gggacgacgg cacgagttta aaccaacaat ctctcgatcat atatatcata atagagagta 180
ggacgacaaa agccatgggc agtaatggca gagatcatag gcgcggagtc ccacgcccgc 240
cacctttacc actttacagg gattgggagg aggaagaggt cgtcaaggct ggtagacgtc 300
ggcagtcgcc gttggcgag tcgtcaacgt cgccc 335

<210> 26021
<211> 66
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G2
<400> 26021

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gttttt 66

<210> 26022
<211> 383
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G3
<400> 26022

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gaggatcgcg atcaagaccg cggaagcggt gcagtaacctg cattcgtcgg aaactgggcg 180
tcaccggaca cggcagcgtc tcggcggtcca ccatactcct cgacaacaac ctcgtaaccga 240
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ttggtgctgg agtgatgatc actggcagcc ttctagagaa agctctgaac gacgacccgt 360
cccgtacgg ctcggtgttg atg 383

<210> 26023
<211> 277
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G4

<400> 26023

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ctcaaccgac aggctcctca taatgatgag gaaatttcag agatgagaaa tacttggtttc 180
aagaggggtat tttctggtgc agaattaaaa aagattaagt tgcagtatgc taatttctct 240
ttgtttggac ctggattcaa ttcatttgac ttacttg 277

<210> 26024

<211> 104

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G5

<400> 26024

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caggtttact attaataac tatgcattca tatattccca cttt 104

<210> 26025

<211> 232

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G6

<400> 26025

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tattctcgcg gttgacacag aaaggataaa attgcaagtt gtgtctcagt ttggcactcg 120
aagggagctt gtgtgggtgt tgttgttttt tttttgtcat ggcagcgtcg tctctaactc 180
taaaggatac cgcagtttct ccaggtatct ctgttaatag cgttatgtac ct 232

<210> 26026

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G7

<400> 26026

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 ctggctctgct atgaatatct atgcatgcat ggtaacgggt tgtgttattt aattattatt 120
 attacgtaga cactactatt taaaattcat gtgttcgcgt caagtcgttc tgtaatcttg 180
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<210> 26027
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-G8
 <400> 26027

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 aacaacagga tcacgatcga gaagctgggc gagcaccct ggttcaagaa ggggtacagg 180
 ccggccgtca tgctggcaca gccgcacggc tccagcagcc tcaaagatgt ccaggtncgc 240
 ttcagcaacg ccgaccacaa ggacagcacc accaaggtgg aacagccggc ggacagctcc 300
 ttgaagccgg cgagcctgaa cgcgttcgac atcatctccc actccagagg gttcgacctg 360
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<210> 26028
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-G9
 <400> 26028

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 gggaactggg aagcagtcac tagccatcaa ttttgacaga gtagatccag caccatctgt 120
 tcattgaact tgtgagctcg atggatgggt ttttctgcag ttagcggggg ttagttaagt 180
 tcgaaggata atgcagtaga caacgttggg cacgtgtggg ggtgaggttc caagtaagag 240
 agagcatcac actcacgtaa caggaatgat cattgatgga ttgaggcgcc ttaattgaaa 300

ttggtgcctt ccacctcatg gatgcaggtt aattcttttc ttcgttgatt ttttgacccc 360
 ttttgcttgg tcttctgcc aataaggaca tccacaggtt aaaattcaaa ttctttgctc 420
 taagttgttg cacattga 438

<210> 26029
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H10
 <400> 26029

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 ggctcggtga tgatggtaac acattcttgc attcctcagt ctacatgcca agtgctccac 120
 cagtacttga tgaagaagcc ttaaattaca acatttatag ggctgtactg gaagcagagc 180
 caccagaatg gcttcctgac agttatgcta gtgcgtgtat gcagtgcgct gctcttttta 240
 ctgcccttac acgtggaagg catcattgtc gattctgtgg agggatattt tgcagggcat 300
 gctcaaaggg acgatcgctg ttgcctgccaa agttccgtga gcggaatccg caaagagtct 360
 gtgatgcttg ttatgatagg cttgatccat tgcagaactt attgattaat tctgtcagca 420
 atgcctcaca aactgcaaag catgatgtca tggattgga 459

<210> 26030
 <211> 206
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H11
 <400> 26030

cgaatcccca gaccaaatcg ccgtttccgt cgccgtcgca tcgcagcagc tggagtccca 60
 ggggtcccgta ccgaatccat ttgcagacac tcatggccaa gatccatcgc tcgttccaac 120
 cagccttatt cttcttgtgc ttggctcgtct gatctcgttt tccattcgtg tccaatccga 180
 tccatccaac cgctgtgaat gatgac 206

<210> 26031
 <211> 370
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H12

<400> 26031

gtcacgcgtg agctgctacg gcgacagaga gccgcttcgg agcaagcagc aatggacgcg 60

aagcagaggc aaagttcggg tggcatgtgg ggttggtcgc ctggaagccc gacaccagca 120

gtttagtcc gtgattcata tttttactt gtaacattat atatcatttg actgacaccc 180

tctacaatct ttttatttgg ttacttacgg cattcgtggt cattttggac ccacaaagaa 240

taaggtgttc tagcgatcgt tatactcaca attactcaaa atgtattctt taggttttagc 300

aagggggtgc tcatgttagt cgatgtgctg gttatccttt tgacgctgtg ctggtttggc 360

tgtccaaaaa 370

<210> 26032

<211> 141

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H2

<400> 26032

gcgcccacgc gtccgcccac gcgtccggga aagagttaca tagttgcaac caaaggcgca 60

cacgaagctg gttaaggaaa tatccaaatc tcggaagact aaccaaaccg tggaaactta 120

cactgtacat gtcgttacgc t 141

<210> 26033

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H3

<400> 26033

cccacgcgtc cgattgggtc ttcatttaat tgggattcaa acaaggactt aggggctaac 60

aatttaattc caattgaaat tgctctcaaa attgcaaata agattaaggc aatgaaagg 120

ttttctgcat acatagtggg acctatgtgg cctgagggtg atccaactgg ggctgcaaca 180

caacgaattc tttactggca gaataaaacc atgcaaata tgtacgagac aatatacagg 240

accttgaaag aagaaggcct ggatgatatg tatgagcctc aggattatct aaactttcttc 300
 tgtcttggca accgtgaagt tgctgacagc actagcactt caaacgcttc gaatacagca 360
 aataatcc 368

<210> 26034
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H4
 <400> 26034

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 ggcaggcagg caaccggccg gtatattagt agatcttcga tcgttcatcc aagctaataa 120
 gtcagtaagc agcagtaggt cgaaaatggc gatgaggctg ctacgcctac tggtcctcct 180
 cagcctgctg gttgttggtg tggcgcaggc ggtggagttg gagatggagt tggcgcctgc 240
 tgatgcaatt gcgatgacta tggatcatga gccgcgcgag gagtgcgcga ccccggtgag 300
 cgt 303

<210> 26035
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-H5
 <400> 26035

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 caccgccacc gctgcccgtg ccgcctcccc caccgaggtc ttgtcttcgg cgatccagcc 120
 ggagcccgcg gcggcgacga tgtacgggtg ggagatgctg tcgttcaaca tacacgatgg 180
 gttcctggag gccatcgtgc ggggcaaccg ctccgggctc ctcaccgccg ccgactacaa 240
 caacctctgc cagtgcgaga cccttgacga catcaagatg cacctcaccg tcaccgagta 300
 cgggccctac ctncagaacg aaccttcacc cttgcacaca acgacaattg tggagaagtg 360
 cactcttaaa ctatgcgatg agtacaagca catgctgtgc caggccactg aaccactatc 420
 tacgtttttg caggatataa cttatggcca catgattgac aatggt 466

<210> 26036
<211> 356
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G11

<400> 26036

gtcacgcgtc ccgtacggag gatcttgagt ctgtgaatcc gatcataaca acgcgggttac 60
gtcgctattg cgccgggtca ccatcgagat ccttctacta gctaattcac taccaataac 120
tgctttcaat gcaagttcct accacacatg aagaatctca tgctctgata tcacactcac 180
acaactagat ggagctacta ggttatacat atatgtcgaa ccacgggcac taggattcag 240
acctattgta tcttattgag ccctttatgg cacatgcagc atcctgcatg actaatcatc 300
tgtaccactt tgctacacaa tcttgtggac ttacagggc tactccacat tgcatt 356

<210> 26037
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H6

<400> 26037

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catgcgccgg ggtgacgtgg cgctcagctc aggcgctgag cgagtctata cgtacgtcgt 120
caccggctgg ccacgcatgc gataaccatc tgatatggac ggaactatat attgtattcc 180
tattaatctg gcatttttcta agctaattgt tttttttcca aatataccgt cgatggaaact 240
ccaaatgtaa tgtcacgcaa atgtgtgttt ttcacgatt gaatggataa taataaaaaa 300
ggcatgctgg caggtactac t 321

<210> 26038
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H7

<400> 26038

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 cgtcggaggc ccggccgcgg ttccccaatc cgccatcgaa ttcgatggcg gccaacgccg 120
 ggaataagat ccgcaacgcc aagctggttc ttcttgagga tgtgggctgt ggcaaatcta 180
 gcttggttct tcggtttggt aaggacagc ttgttgaatt ccaggaatca acaattggag 240
 cagccttctt ttcccagacc ttagcgttca atgatgagac tgttaagttc gaaatctggg 300
 atactgccgg gcaggagagg tatcatagct tggctcccat gtactatagg ggtgc 355

<210> 26039
 <211> 299
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-H8

 <400> 26039

cgcacgaacc gacgcactag accgaccgc gaatcccccg cgcgcgcgcc gtgcggtcac 60
 gcgtccgagg ccacggcacc gccggcccc gccccgcgcc cggccgcaa gagcaaaggc 120
 aaggccgacg ctctctctc gtcgtctcc tctccactc caccgaggtt gcgccgcgcg 180
 cttgccgtcg tgatggcgc gtcgtgctc gtgctgcgcg tggcggttctt ggttggtctt 240
 ggctccggng ggatcgatgg aggcgcagcg gctcccgtcg aggtggaggg caccgaggt 299

<210> 26040
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-H9

 <400> 26040

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 gttcttctc ttctcactgc ctgccactga gagcgtaagt caaaggcacg aagtggctca 120
 gagcatagc cctgagagac cattgtaact aggcctgtcg gcaggatagt agccgtcgac 180
 taatccctac aaggaacaga tggagaagaa ggcgcacatc ctgatgaaca ggtacaagct 240
 tgggcgcacg ctcatgcaag gcacctatat caaggggtac cacagacgga acctggcttt 300

cagagagagc gcgtgcatga aggccatcga caaggagaag gtgatgcgcg atggcatgat 360
cgaccagatc aagcgcgaga tctacgtgat ggcgcgtgta cggcacccca acgtga 416

<210> 26041
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E7

<400> 26041

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gccccaaaag cttcaggttt atcaaatgga gggggcacag ctgtaaaaaa gatccaagtc 120
aagggttcaa aagggttcaga cgttagggga gtgaatcctg gaaaaaggtc atcgccatta 180
cagaagaagc cgagtggacc ctcaccgacg ctaatcaaga agggcggagg tgaaggaagg 240
aagactccaa atggtaaaac aggaaccaag aagtaagcaa cccagatgaa acttggtttt 300
gctgtgacca acttcacctt ggttagggac agattaacat gttgatacta tcgggtgata 360
cattgatat 369

<210> 26042
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E8

<400> 26042

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gccctgtgcg cgcccaccct atacaaggag tcgtgcgaga agacactgtc ccaggccacc 120
aatggcacccg agaaccccaa ggaggtgttc cacagcgtgg ccaaggtggc gctggagtcg 180
gtccagacgg cggtcgagca gtccaagtcg atcggcgagg ccaaggccag cgactccatg 240
accgagagcg cgcgcgagga ctgcaagaag ctcttgagg acgccggcga cgacctgagg 300
ggcatgctcg agatggccgg cggcgacatc aaagtgtgtg tcagccggtc cgacgacctc 360
gagacctggc tcacgggcgt catgacg 387

<210> 26043

<211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-E9

 <400> 26043

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 cggcctgttc gccctggtgc tgaggctcaa gcatatgttg ctggaaagct gggtccctca 120
 aacttatgcy aagtaatcaa ggacgacaat agatggagtt ggttgtctct atacgcttcc 180
 ttcagcaaaa aaattaagcy gaggttctgc aaactgtatg caccacggaa tcacattgaa 240
 atagatcaca cttgtctgtc gacgggtttc tccggaagtg gacatgtaga ttgacagagc 300
 atgttccaaa aattttgaga ccagcagctt atttaaata gctgttgtct ccagcatcat 360
 accccctttt tttaccccca atggagatat cagacatgtg tacagtccgc taatatattc 420
 aatcatttcc agcag 435

<210> 26044
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F1

 <400> 26044

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 ccttgactcg catcanggag agcttggcga gataattgca cctggtgctc cagmnggctt 120
 cctcnngtct tcaacgcntt gttggtggag ggaacccggg ctctgggact tgggtgtctct 180
 tcctcctgga gccgcctagt ctgttgaccc tatggcaaga agtccaagct ttcggtttca 240
 ccgtgtaccc ccaccccccc aggtggtcca acatccgtgg ttggagccca taccacaacag 300
 tgtcctgtcc acccaattct ctctctcgag cacacntgat gnttgctgtc cttgctcgac 360
 naatgaggcc atctatgacn atctgtccgc cgcttccctt gaca 404

<210> 26045
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F11

<400> 26045

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cggcaagtcg taccgcacgc tgagcgacat cctcgacaag gacatccaga acgactgcgt 120
gaagaagcag ggaagccact cccggaacct gcgcagggtc cgtctcggcc tcggcctcat 180
caaggccctc ttcgagcaat tcctcgccac cgagggttca ttgtatgatg ctgctacgac 240
agcttacggg caggtgtgcg cgccgtttca tagctgggcg atcaggaagg ctggtggcgc 300
tggcatgtac acccttccaa ccaggagca gttggtagtg cggctgaacg aaactgatct 360
ctcgggtgcag aagcagatga ggagatacat tgacgcttct agtcctatca tagagtacat 420
cgataacctt ttctctctga ggaacattaa tctaga 456

<210> 26046

<211> 127

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F12

<400> 26046

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atgattctca tcagctgata aatgtaatgt ctgaatttct gtcggtgaca aattaatgat 120
cccattc 127

<210> 26047

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F2

<400> 26047

cccacgcgtc cggcagccgc cgcacccgtc accttcacac cgcgtgcgtg ctctctctcg 60
ccctcccgc tctccgtgcg acgactgggt gggctaccgc cgccctacgc aaggtgccga 120
gaacttcgcc gatattctgcg ccggagaaga gcgcccacca gatcaggcgc ttagaaggcg 180
cgctggcccg tggatgacga tggcgggtgg cgggggactg aaccggtctt catcgagggg 240

gcagctgccg ccgcaagagc tgcttgacga tctctgcagc cggttccttc tgaatgtgcc 300
 caaagaggag ctggagtcgt tcgagcggat cctgttcctg ctggagcaag cgcactgggtt 360
 ctatgaagac aacttcgttg agcacaac 388

<210> 26048
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F3
 <400> 26048

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 agggcttggg tgagagacat ctccaccact ctctctctac aaggaatata ttaatacctc 120
 atgctttggg atatcatgga agggttggtg ctttctcaag aagaagatca tcatatttgg 180
 agacacgagg cttcggaag gttttcttct aaatcctgtt acaagtcatt cttcagagga 240
 tccatcactt ttgaaccttg gaggagggcg tggaaatctg ggcacctctg aaatgcaaag 300
 tattcttatg gttggccatt aagaataagt gttggactgc ggataggctg gagcggcgtg 360
 ggatgttcac ccgaca 376

<210> 26049
 <211> 288
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F4
 <400> 26049

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 agtgctgtgt ccattttagc atttcaccta tccttgctgt ttaccacaac tgacttccat 180
 attcgggtac ccctgtttcc tgtgacctta catatatagg acataatggt gcgaagtctc 240
 gcaatatgta atggacataa gtggcgtggt catatatatt tgctggag 288

<210> 26050
 <211> 359

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F5

 <400> 26050

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 ccgtcgggaa gcacaacgtc accatcttcg cgcccgcgaa cgaggcgctg gagcgggacc 120
 tggaccggga gttcaagcgc ttctgtctgg agccgcgcaa cctcaggctg ctgcaggcgc 180
 tgctgtctta ccacgtcttc cctcgcgcc tgccctccga ctctggccc gcggcgtccc 240
 accccacgct gtccggcgag gaggtcgagc tcgccccgc cgccggcgcc ggcatgcgcg 300
 tcggccacgc cgnctcacg cgcccgacg ccgtgtcaa gcccgacggg gtcattcac 359

<210> 26051
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F6

 <400> 26051

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 ggaacgtgga tcttacaaat gtcaagctga gcctgtcaga aggtgaggag gacgagtggg 120
 tcaggcacag ggccagtagc ctctcccagc ttaacaacac ggagagcagc cccccacga 180
 gtgcagaaga ctccaagtcc cactcccacc ccgctggcgc tgctgacaaa ggcaatggca 240
 ctacaccagg cagccacca tccacgagcc atgataaaac aacgaccagc gcagcgacag 300
 caggcacgcc ggccatgaag aggtcctcgt cgggcagcaa gctgcagcgc aagaggcctn 360
 cacggctggc agtgagcaag agccggctgg gcaagggca 399

<210> 26052
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-F7

 <400> 26052

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 gaagggctgg ccaacaggtg actccagagt tcacaagagg atgatacatta aagtatccga 120
 gactctaaaa ggtcaagaca ctatgaacat gtactcttat ttaggttatt cgacacattt 180
 caggctggga atctatctga tttctacgag aattgccggg gattagaact tgctaggaat 240
 tttcagattc cactctgag ggaggagagg gcttgtactc tgactagtct tcgctatgtg 300
 cactggatta tgatatgaca tcttttacat gagaaaattc tcagccacca caaacatttc 360
 ttgctactat ggaggactat gttaatgaag cttcacgcat ggtccctggt cgagaacccc 420
 tgatcatcgt atgagtactg gaa 443

<210> 26053
 <211> 331
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F8
 <400> 26053

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 cgtaacatct tgtgacactt cttgcaatcg atcccaagta ctcccaaaac gactggctgt 120
 aaagctatga gacacttgat acatttgtgg tacctatgtc atctaaaaag ctctatgaag 180
 acaacgaata tgctctctac actgtgacac tatgcgctaa ggttgctgac aactttaagg 240
 tccgtgctcg cgagaagggt actcagatcc gtgatttcta gtccaggcct gaatcacaag 300
 aaagccggat gcaggagatg gagaagctac t 331

<210> 26054
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F9
 <400> 26054

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 cgcaacgaaa atgtcgcgcg ccacagctgc ggtcctcttc tacatcctcg ccgtcgtgc 120

cctcagcgcg gccgaggcac cggcagagtc accgaaggca ggcagtcctg ccaaggcacc 180
 ggccgagtca ccgaaggcag gcagtcctgc agctcctgcc aaggcaccgc agtctgctgc 240
 cacgagaact gcccccgcta aggcacctca agccgcctcc acccccgccg ctgccgctgc 300
 cccatcgctg tcgtcgtcta ggaagtctgg tccagctgcc gcgccgacca ccgccgcctc 360
 tacaccgtct tcttcacagg acgaggagtt gagcccttcg ccgtcggcat ccaccgncga 420
 ggtggcgctc cctgccgctg atgggcctgc tg 452

<210> 26055

<211> 346

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G1

<400> 26055

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 gcgtggccgc gctgctgctg gtcgcagcgg tgtgcctgc cgcgcgcgcg gcggcggtgg 120
 cgggtggcggg aggggcgcgc tcggtgccgg cgggtccgct ggacatcgcg cagctgggcg 180
 ccaagggcga cggcaagtcg gacagcacc ccatgatcct caaggcgtgg aagaacgcgt 240
 gcgagggcga ggggggtacag aagatcgta tcccgcggg caactacctg acgggcgggc 300
 tggaactgaa gggcccctgc aagtcctcca tcatcatccg tctcga 346

<210> 26056

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-G10

<400> 26056

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 gtcgcaggtg cgccgccttg ccatggagat cgggcaactt gctaattcac gaccaataac 120
 tgtttctcaat ggaggttctg gacaatcagg agtatcaggc ctgatagtac ctgcagcaac 180
 tgttgagca ctaggttatg gttatatgtg gtggaaagg atctcgttct cagacctaat 240
 gtatgtcacc aagcgcaaca tggcaaatgc tgtttcaagc atgactaaac atttgagca 300

agtgcaaagt tctcttgctg ctgctaaaaag gcatttgaca cagcgcattg aaaagttgga 360
cgataaattg gatcagcaga aggctctatc tggacaaata agagatgatg tctactgatgc 420
acgtctgaag cttgagaata tnggttcaga aatcaagaac atcaaag 467

<210> 26057
<211> 420
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-E6
<400> 26057

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gctccgtoga tcatccagca ccagcaggag aatcccgtcg aatccccctc tcaaccaagg 120
gcgcgcgcgc gtgcgtatgc ctntccaga tccaaagcaa cagacagcga gggggcaccg 180
gggtccgcgc catgtttgag atttatggag gatcatgctt tcttgcttac tacattagct 240
cctgacgcgc cgacctcccc tcgcgttcat tgatttctgt tataattact accgagctac 300
tatctccaca ttattattgg taaagaaaga aaggggcgct nctctaattt gatgggcatt 360
ccgtttcctt ctcaacttca acgccaacaa cagttgatgc tactatgggt ggaaatcggg 420

<210> 26058
<211> 320
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-D11
<400> 26058

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ggtagccagc ggttggtgac gacgtacatg cgcgggcgcg ccggccggaa agctagcagc 120
agtggcgcac aagaatgacg agctaggagg aaggaaggag acgcgccact gggcaagtac 180
atatacaaag tgaccgacga gcgtacagtg gtatccgtga atcatgtact agcatagaca 240
tagcatttga acagcatgag gtgtacatac cccctagtt cgttcagaag aatgctgggtg 300
actgtaactc ctgtttctgc 320

<210> 26059
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D12

 <400> 26059

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 gttttttttt ttcagcctta ggtactcact agcgtttcct tctcattata cccttattcg 120
 ttctcataca gatctcctgg acgaagaaac atacaaaagc tacatcaaaa tcaaacggct 180
 attttgttct ctttttgctc attaggaggg ctctccagtt ggctgtccgt gtccggttgg 240
 gagggccccg gcgcactggg gtgggcggct gccgcctgg ccgggcagcc gtaagcgccg 300
 agcggcggtgc cggcatctcc gttgcggtgt g 331

<210> 26060
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D2

 <400> 26060

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 cgcgctcccg gcgctccgtg gcgcggcgcg cgaggctgcc ggatcgtcgg cttggcctcg 180
 gctcctaacg gatcgcccg agcttccggt ccgataagcg ggcggtggc ctctcgagct 240
 acacgtgcgc taaaagctg ggctctgctc gcgactgcc cggaaggggc gcgcctgtgg 300
 tgctcatgaa cccgagctgg cggcttcg 328

<210> 26061
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D3

 <400> 26061

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 gccgagtgat ggccgcccct gccccctccg gcgcagctag tgccgcccgc tcaccgtccc 180
 cgctgatgca gctgccgtcg cegttcgcg agctcgtaaa gggccccctcc ggctcgcaga 240
 aggtcgtgct tcgcgggcgt cgcaactgct gtgccgagat ttatctttat ggaggtcaag 300
 taacatcatg gaagaatgac aatggggaag acttgctttt cctcagcagc aaggtatttt 360

<210> 26062

<211> 303

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D4

<400> 26062

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 gctgaagatg ctgcgcccgcg gatgccgggg tgccgctgcc gtcctccccg tcgccagcca 180
 cgacagcgtc accggcaagg agaggaagag gaagtgcagg aagcacgcct ctatcctggg 240
 cgactccggc accgtcgacc cggacttctc gcggcggtac cggctcggcg cggagcttgg 300
 gcg 303

<210> 26063

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D5

<400> 26063

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 aactctgtag cgcgtctcat tcacatgctg cacaatgatg atcctgaaga gatgctgaag 120
 atcttatgta ctgtacagaa gcatatactt cagggaggcc tcaagcgtct aactttcact 180
 gtgccttcgt tagtattctc ttctcttaag ctggtcaggc gattacaagg ccaagatgga 240
 gatgtcactg gggaggatgt tcttgcaact ccaaagaaaa tattccagat attgcatcag 300

actattgaag cactttcttg tgttccttcc ccagagttag ctctgagact atatttgcag 360
 tgtgcagagg ctgccaatga ctgtgatttg gaaccagttg cttatgagtt ctttactcaa 420
 gcgttcattt tatatg 436

<210> 26064
 <211> 315
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D6

<400> 26064

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 gccaaacacc ccaagcttga tgtgcccaac ttggaggtga ttaagctcat gcagagcttc 180
 aagtcgaagg agtatgtgag ggaaaccttc tcatggcagt actactactg gtacctcacc 240
 aacgatggca ttgagcacct tcgcagcttc ctcaacctgc catcagaggg tgtgcctaata 300
 acctcaaga agtct 315

<210> 26065
 <211> 136
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D7

<400> 26065

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 ttaacttttt ttcaggcaca tatgtatggt gagatcaata cactagtaga aaaaggctca 120
 aaacgcgttg tgcgat 136

<210> 26066
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D8

<400> 26066

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 gcagcaccac ggccgtgac cgctacaagg gctccagcgc cccgccgcc gccaaagtgc 120
 cggagggccc cagcgggtgg gctggtcca tcaaccagtg caggtccttc cgctggaacc 180
 tgacggccag cggggcgcg cccaaccgc aggggtcgta ccactacggc cagatcaaca 240
 tccccgcac catcaagctc gccatgggcc ggggaaggt cgacggcaag gagaggttcg 300
 cttcaacgg cgtgtgcac gtggaccgg aaaccccggt caagc 345

<210> 26067
 <211> 462
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D9

<400> 26067

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 tgcaccaccc ccctcacctt ccaggtcggc aagggatcca agcctggcca cctgatcctc 180
 accccaatg ttgccaccat atccgacgtg gagatcaaag agcacggtgg cgatgacttc 240
 tcctttacgc tcaaggaggg cccgactggc acctggacgc tcgacaccaa ggccccgctc 300
 aagtaccccc tttgcatcgg ctttgcgtgc aagtccggcg gctaccgcat cgccgacgac 360
 gtcacccctg ccgatttcaa ggccgacacc acctataaga ccacactcag catctaata 420
 atctctggtg atgaattaga tttcaaaaga gtcacttag cg 462

<210> 26068
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E1

<400> 26068

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 tcgccgccgg ctcgcattcg tggttccgcg tgggggggtcc gtggaaacgc gacaagagag 120
 gcggaagcga tggcgaagtc gtgcaagggg ttggccatgg agctcgtcaa gtgtctcagc 180

gagaccgact gcgtcaaggt gcagaaaagg ccgtacaagg agtgcgctgg ggagaaggtg 240
 ccaaacatta ccagcgagtg cgttggcctg cgggagacct acttcaactg caagaggggc 300
 caggttgaca tgcgggcccc aatacgcggg aacaagggat actagtgatg t 351

<210> 26069

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E10

<400> 26069

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 cagtgaggca aagcgctca gacatcgaag ccgggacttc gcactgattg agggccaatt 120
 atacaagaaa ggggtcagtc agccaatgct caaatgcgtc accgaaaccg aaggcatgca 180
 gatcctacgc gaagtcaca gtggcacgtg cggctcgac gcagggcaa gggccctggc 240
 tgccaaggtg atccgacaag ggttttactg gcccgaatg atctgcgccg caaatcgggt 300
 cacgaggtcc tgcgaagcct gccagaagtt ctctcctcgg tcatgcaacc cctcgcaata 360
 taaaagctg atcgccata catggcctat ccagcgctgg ggctggaca tcgtcggggc 420
 cctgcccacc gtcctggga accttaagtt ggccttcgta gccg 464

<210> 26070

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-E11

<400> 26070

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 ggcgtttcgt ttattgtttt tctaattgcc cattcattca tgccgttcgt gccacgcat 120
 gcagcccatg aggatcgagc atggaggagc ctagttcttg atccaatctc ccagcatgct 180
 tgacgaacgc gaagacgaac gtggggcgaa cgctgcatgc taacgcgggt gatcttattc 240
 ctaataatac gtagcgattc gggagattga tttttgatca tgcacaagcg atccaaatcc 300
 tgcgagccgt acaggaagat ggaggagcgc gtcgggtgca gcaatgccgc gacgtccttc 360

gacgactccg ncaccggcag ggcgccgggc gccgcggcgg cgcagtgcct cacggtgtcg 420
gtgttcctcg ccaagatcaa cggcgccgcg cgccacg 457

<210> 26071
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E12

<400> 26071

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agaagcgagg aactcgccag tggttgaggaa tcagtatgta cacttcaata tcagggttcc 120
gacggagggtg acgcaaaggc agaggagct gatagatgag ttcgataaag aggagtgcgc 180
agaccgggaa agacctgcgg ttgcctccgg atgaagtttt tggttcaacc attaattagt 240
tttagcacca cactagtttg atgccctcaa tttctccaac ccgtcataag gtgctgtagg 300
caccaaaagc ttattgtaac atttgatcct tatatagcat ctactcagtc tgtaacgtat 360
acattacgcg ctaaattatt gtaccatttt cgattttct 398

<210> 26072
<211> 170
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E2

<400> 26072

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ggtctattgc tatataacaa catgtctgta ctgctgatca tagcacttag cattgtacca 120
tgactagagc agtccatata actgccttta gataaaaggg cggacgatat 170

<210> 26073
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E3

<400> 26073

cccacgcgtc cgggccgcgc tgccggttct toccagctgc agcaaccggc cagtgcgcgc 60
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 cggcctaggc gcggggcatc ttctgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggagg aaactgaccg ccgccttctc gctctcgctc tctaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgtccaca ccataaagca ggacgtacag 300
 acacgtgtac gagggggatc acggtcgggt gaagtgacta agctggcgga c 351

<210> 26074
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-E5
 <400> 26074

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 ctgcgagggc ttctgatggc cctcgacgcc gtcccttctc cctagtgcc agctttattg 120
 cagatccagc cctctgatcc tcgtcttctt tcacctctcc aacatgaagg tcaacaccaa 180
 gatcaagctg gagccgggtc tggcgccgct gtcgtccctg ccgcggagcg ccagcgagct 240
 acccgacccg ccgtcacagt tcagctccaa cacggcgcac caccctgtct ccgtgcccac 300
 cacacctagg ttggccttat cgtgctcgct gttcggccac atggtgacct cngccaccga 360
 cacaccggcg atcacgcca 380

<210> 26075
 <211> 182
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-D10
 <400> 26075

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 ccacctgate ctcaccacca tatttccacc atatcctcca tgaatatcat acagtcacca 120
 ataattactt atcctttacg ctcacacact tccctactac cacatacact ctaaacacca 180

aa

182

<210> 26076
<211> 119
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B2

<400> 26076

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gtcgtccacg cccgaagccg tcagcctgct ctgctccgag acgcagacgg gcagcgggg 119

<210> 26077
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B3

<400> 26077

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ttttatttcg catttaaaga tgcctattgt tatagtatct gaggcagtag gacaggactt 180
ataagataca acttcccca tcattcatga tacaatccat gaacaacttg agttatctat 240
taggcactaa gttactgctc aactaaaaga aatggaacta aactaacaaa taaaatgct 300
acttaagtac atatgctata tcctatgtca acgacgaatt gcacagtgga att 353

<210> 26078
<211> 310
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B4

<400> 26078

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ctccgtgccc accacaccta ggttgctcct atcgtgctcg tcgttcggcc acatggtgac 180

cccgccacc gacacaccgc cgatcacgcc caccaagaag caggacgaca agccgaagcc 240
gacgccggag gccgtcaccg cggcgaacta cgcgtcgttg tggtcgcca agcgcctcat 300
gcagcgcgct 310

<210> 26079
<211> 392
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-B5
<400> 26079

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tcttggtctt gggatgatgc cggcgggtact tgtagcgggc cttttaggt atttatctga 120
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ctggacaaaa tagccttagt tctctatcaa tttccaagga caatgaacta tcttcagagt 240
ctggctgctt gtccattggt gtactaggcg cttctggaga ccttgctaag aagaaaactt 300
tcccagcgcct ctttcacctt ttccagcaag gattttctgca atctggagaa gtccatatat 360
ttgggtacgc aagatcaaatt ctttctgatg at 392

<210> 26080
<211> 325
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-B6
<400> 26080

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gttggtgtca catggagagg gacactatat gtggctaata taggcgattc cagggtgtt 180
attggcgctt taggtagatc aaacaagatc gtggctgagc cactcacaag agatcataat 240
gcaagtaggg aggaggtcag gcaggagctt atatcccgtc atccagatga ttctcanatt 300
gtcgtttctca agcatggtgt ttggc 325

<210> 26081
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B7

<400> 26081

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gatgacgcct gggcagtgc acatggtggt ggaaaggctg ggcgactacc tgcttgaaca 180
gggcatgtaa ctactacgta ccagctggaa tgcattgtcga cgacgatggt ttcgagtttc 240
gacttccaat aatagtaaca acaaagcaaa ggccttcctc ccggcgtatt tgctttggct 300
cttctccttc acgccataag atatctagca attggtcact cgccttaatt agttcgcttt 360
gcttttgagg ttgattcgac cattttgct 389

<210> 26082
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B8

<400> 26082

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cctccgacat ccacaagggg ggaggggaaa acacgtacat tcacccggcg gcaataatgg 120
cctcggttcc ggctccggcg acgacgaccg ccgccgtcat cctatgccta tgcgtcgtec 180
tctcctgtgc cgcggtgac gaccggaacc tccccgacta cgtcatccag ggccgcgtgt 240
actgcgacac ctgccgcgcc gggttcgtga ccaacgtcac cgagtacatc gcgggcgcca 300
agggtgaggct ggagtgcaag cactttcgca ccggcaagct cgagcgcg 348

<210> 26083
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C1

<400> 26083

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acaagcaggt tccactcctg tttggatctg ttgcaatgga aaaggttgct tgccacatcg 180

ttcattggat atttaggaga accggtagac atctctttct aactgacgat gatgaagggc 240

tgcctccact gctgcagcgg atgggtgaag atcatgacga tctctacttt atatctgctt 300

tgcgagcatt cagaaagaga atgggtgtacg caaacgcaga ctgtgatcac attgttggct 360

ggagaacatc atctattaga agaaacaatg agctttct 398

<210> 26084

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C10

<400> 26084

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cgcgacgggt ggtgcagtcc cgctgccaca cggaggaagt cgagcccggc cgatttgtcc 180

gcaagtgcga gaagacggag cagctcctcc gcgactgctg cggcaggccc tctgaactgg 240

tggaatccaa aactgaaaac actgaagaag atgtcacaga agaaatgaag agcggttcac 300

tttctcttgg gtttccaaga aacgagccct tcgcattccc tggactcgcg agtgacatgg 360

aagcccttga gaaagacttc tttgggagcc tagggaacgt cctggatgaa actgagcgga 420

tggccaacag cttcgtcag 439

<210> 26085

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C11

<400> 26085

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accgtctcca agatccacta cgagaatatc aagatggagg actcagccaa ccccatcttc 120
atcgacatga agtactgccc caacaagttg tgtactgcca acggcgccctc caaggtcacc 180
gtcaaggatg tcaccttcaa gaacatcacc ggcacctcct ccaccccgga ggccgtagc 240
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tatagcggca ccaaccacca gaccatggct atatgcacga acgccaaggg cagcaccaag 360
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<210> 26086
<211> 51
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-C2

<400> 26086
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<210> 26087
<211> 381
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-C3

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agaactttgc tgttaagttc ccagcttgct caatcgccgc gaagcaccat attgaccaga 120
gcacaacaat tcttgacgtg caaggagtgg ggatgaagca attcagtaaa gctgcaaggt 180
agtcattgg catgcttcag aagattgatg gtgacaatta tccagagacc ctgtgccgca 240
tgttcatcat caatgcaggc cagggattcc ggcttctatg gggcaccgtc aagagctttc 300
ttgacccaaa gaccactgca aagattcatg ttctgggtaa caagtatcag agcaagcttc 360
tcgaggtgat tgatgctagt g 381

<210> 26088
<211> 292

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C4

<400> 26088

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 ttttgatcag ttaaagcaaa atgcaacgaa ggccaagatt cccttttatg gaagctacat 120
 ggaatctgat ccagtgtaaa ttgctgttga aggtgtggag aggttcaaga aagaaaactg 180
 tgatctcatc attgtggaca caagtggag gctcaaacag gaagcaagac tctttgaaaa 240
 aatgcggcaa gtttcagaag caccaaaacc agacctggtg atttttgtga tg 292

<210> 26089
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C5

<400> 26089

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 gcacaacgtg taccgtctct cccagcgtg cgcgcgcgcg tggtcggagg ctgccgtcgc 120
 tcgcgtcggc cgcccccgcc ggccagcgag agcgagggac aacgaccgac cgaccgacca 180
 gctcgaggtg aatgaacagc cgcataccgt tcctccagaa aatgcaccgc tggatcatcc 240
 ctagctgagg cgacaccgac cagccgcgcc cttccttcgc ccacgagat gcgttcccga 300
 ggccggcgtc ggcgtccgag tcggcgtcag cgccccgctc cctcagaag ctgaagaaag 360
 tggggtcgga aggga 375

<210> 26090
 <211> 383
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-C6

<400> 26090

gcacgacacc gacttcttca ccaacgcctt cggcgtgcgg tccatcaagg agaacgacaa 60

ggagctgatg gcggcgctgt acctgcaagt gagcatcatc agccaggcgc tcatcttcgt 120
 gacccgggtcc cggagctggt ccttcgtgga gcggcccggc gcgctgctgg tgategcctt 180
 cctggcgggc cagctggtgg cgacgtgcat cgccgtgtac gccaaactggg agttctggca 240
 gatgcanggg aatcgctggg gcttgggtgg ggccatctgg gcgttcagcg tcgtcaccta 300
 cttcccgtg gacgtgctca agttcgccat ccgctacgcy ctcttcggca agggctggaa 360
 caacaatcaa cacaagacgg gct 383

<210> 26091

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C9

<400> 26091

cggacgcgtg gggcaagaac tcctgcacca agaagtacga ctgcaagatc cttcccaact 60
 ggctggtgat ggacttcgtg aacaacgggg aggtgtccgg ggtcacgctg ctcaactcca 120
 agttcttcca catgaacatg taccggtgca aggacatgct gatcaaggac gtgaccgtga 180
 cggcgcccgg ggacagcccc aacacggatg gcatccacat gggcgactca tccgggatca 240
 cgatcaccaa caccgtcatt ggcgtcggtg acgactgcat ctccatcggc cccgggacct 300
 ccaaggtgaa catcaccggc gtgacctgcy gccctggcca cggcatcagc atcggcagcc 360
 tacggcggta caaaggccga gaggacgtca cggacatcaa cgtcaaggat tgcactctta 420
 agaagacgat gttcggcgctc cgca 444

<210> 26092

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B12

<400> 26092

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 gatttgata attggagaat atgctgaaag aattgacaat gcagatgaac ttcttgagag 120
 cttcttgaa acattccctg aagaaccagc attagttcaa ctgcagctgc taaccgctac 180

tgttaaattg tttcttaaga agccaactga ggggccacaa cagatgattc aggctgttct 240
 caataatgca acagttgaaa cagataatcc tgatttgagg gacagagctt acatatattg 300
 gcgacttctg tctactgata ctgaggctgc gaaagatgtt gttttggcgg agaaacctgt 360
 gatcagtgat gactctaacc agcttgactc atcacttctt gatgagctgc tagcaaacat 420
 ttctactctt tcatcagttt atcataagcc cccagaatca 460

<210> 26093
 <211> 293
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-H5
 <400> 26093

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 tcaccggccg gggagggctc agaaaccttt catccaatac atacatctat ctgagccctt 120
 tcccgcggtg aggcccgacc ggagtcacaca cacacacaca cacggtgtcg atggcggccg 180
 taataaggag ccgcgcgctg tccgttgtct tctacgtcgt cctcgccgca gctgcagccg 240
 cggcgcaggc atccaataac gtcaccttcg acgaggatta ctgggcggag cgc 293

<210> 26094
 <211> 285
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-H6
 <400> 26094

cccacgcgtc cgcccacgcg tccggtacgc cggcgctcct gctagtgcct gccgttgaac 60
 tgtccgggca ccattgatcc gacctccct aagccatcga tgagtagaga aaaacagtga 120
 acgccacctc tgtactcgcc ccaccttatg gcgcgctcgt cctgcagtac cggcccacgc 180
 tctgcgcggc gctcaggtgt tacggctgcc ctcaaaccg tcgtcggacc attggcactg 240
 gggcaagcaa aagcacggac aggtgctcgg cgtgctgcaa cggct 285

<210> 26095
 <211> 133
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H7

<400> 26095

cggacgcgtg ggtttctggc gggcaatcgc ttcacgccgg cacggaggcc ctggcggctc 60

aggccgttga ctctacacgc tggagcaagc tcggcactgt tggcgtaagc ctcgacgctt 120

tcacgtggcc ttg 133

<210> 26096

<211> 252

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H8

<400> 26096

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ttcagttacg atgacccgct ttagttcagt tttttttttg ggggggttgg ttcgatcatt 120

tggctgtagc gtgaatcgca tggacaacag acttcaatta ctaagcaaatt atttttcttc 180

tgcatatatt tgaagaacct tgttcaggcc tccctttcga aatgaaatgc cggaaatttt 240

tttcttggtta aa 252

<210> 26097

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H9

<400> 26097

tcacgtgaca gcaagttggt acgtgtcctc ggcggttcga ttggacgac cagcccacgg 60

cacacggaca tacgtgctgc ctctgaggag catgaacgac gatcatccat ccacctgacg 120

aagacaccat caatacgacg aacatggcga tgaggtcgct agcactactg gtccactactaa 180

tcctgatggt agtaggacgt ggctcagacg atgctgtcat aaatagagca gagagcctgc 240

tgatgcgatt gccattacta tggatcatga tccgccgaag g 281

<210> 26098

<211> 152
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A10

 <400> 26098

 gtctagttcg gtgttggtga tggaacggtc gtcactgagt catgcacgat ttggtatccg 60
 tgtgttttatg ttcgccggtt tgaggaactc tctgatccgt cgtgacacaa agttgatgct 120
 gagagaacga ccgagtatatt tttttttctg cc 152

<210> 26099
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A11

 <400> 26099

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 gcagcgcagg tgtgaaggaa gggggacgcg gaggaagatg gggctcgcgt tcgggaagct 120
 cttcagccgg ctcttcgcca agaaggagat gcggatcctc atggtcggcc tcgacgccgc 180
 cggtaaaacc accatcctct acaagctcaa gctcggcgag atcgtcacca ccatccccac 240
 catcggtttc aatgttgaaa ctgttgagta caagaacatt agcttcactg tctgggatgt 300
 cgggggtcag gacaagatca gacctcttg gaggcattac ttccagaaca cccagggctc 360
 tatttttggt gtggacagca atgaccgtga ccgtgttggt gaagccagag atgagctcca 420
 caggatgctg aacgaggatg agctacgtga tgctgtgctg ctt 463

<210> 26100
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A12

 <400> 26100

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 tgtaaatacta ttatattcag aacccccaga ggctcgaaag tcagagatta gatggaggct 120

ctatgtat ttt aaagatgg tgaaccactg tatgttcatc ggatgacctg 180
ctaccttttt ggaagagaaa ggaaagt tgc agatgtcccc acagatcatc cctcctgcag 240
caagcaacat gcagttcttc aatacagact tgtggagaag gagcaactag atggcatgat 300
gacaaagaaa ataaggcctt atctgatgga tcttgatagt acaaattggaa ctttcatcaa 360
tggaatcgc attgagcctc ggcatatta tgagttat ttt gaaaaggaca caatcaagtt 420
tggcaatagt agccgggagt atgttttgct ccacgaaaat tc 462

<210> 26101
<211> 88
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A2

<400> 26101
gacgtccata gttgctgtat aaggcatgat ttgccatcat tctgttgctt cggatgatgct 60
tgcaatgcaa tgagaatgtg ttggaacg 88

<210> 26102
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A3

<400> 26102
gcaactagca cgccagatgc aaacctatca aatgagaatg tcattagtgg cataactcct 60
gatatcatgg aaaaccatct tgctgaaatg cagtatcaga agttacctcg gaattttgtg 120
cagtgggtta atcacggtga taccttttgg tactaagatc gcaattactg gaattcaata 180
tgtcgccagc ttcacagggt gggcattaac acggatctga gtagtagatt atagagtgat 240
atggatgctg cggcaaggca tttctcccgat gatatactcc gcaccatccc caaagtcctt 300
tattgggtcca cgtgttttta caatgggtga gtagatagat atctttctgt tgaaagaaaa 360
tagagatgat aattaggctt attattgttg acctgaaatt gtcattattc atgggga 417

<210> 26103
<211> 207
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-A4

<400> 26103

cacaatagta ccctgttgag gaactttgtg gtcacttctt ttctgatttg gacttcgggt 60

gctcgcgatc gatgganggc tgggtactaat ctttgaggag atattaattc caactgggct 120

tcaggtggcc tgaaaaccag gggtaccaa cgcgcaggta aatttgagacc attaggaagg 180

gggtggaatgg attaaaccgg gccaaagt 207

<210> 26104

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A5

<400> 26104

gcgggaccggg ccgggagaaa caaaactgac aaggacgata tgggtgcgtag cctcgtcgcg 60

ctgatcctcg tcgccacggc cgtagccgac gtggccacag ccgcaccctc gccgggggttt 120

gtcgtcaccg gccgcgtcta ctgcgacaac tgccgcgccg gggtcgagac caacgtctcc 180

cacgccatcg aaggcgcgac ggtggagatg gagtgccgtc acttcgagtc gcaggaggtc 240

cacgacaagg cggaggcgac gacggacgcc ggcgggtggt acaggatgga gatcagcggg 300

gaccaccagg acgagatctg ccaagtgtg ctgctcaaga gcccgaagc ggactgcgcc 360

gagatcgagc gc 372

<210> 26105

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A6

<400> 26105

cccacgcgtt cgctgcgaag aagaccgacg acgtgcccta ccggcgtgcc cccgtcgtcc 60

tgccgtccgt tgategatct ggccatggca caaactgag atcctcgtcg tcgtgagccg 120

aacgttaatc cggcggacgc gggggcgggg ccattgtctg ggcggcagct atgaggacaa 180

tcacgtacgc c

191

<210> 26106
<211> 346
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H3

<400> 26106

cacaagggtg cttatggatt atttgaatga ttatgcttat gacgcgcaag ttgctggcct 60
ctattatggt gtttaagccaa atgacactgg ttttcaggta actatggttg gcttcaatga 120
caaaatgaga acccttttgg agactggtat tggaaaaatt gcagaatttg aagttaaggc 180
tgaccgtttt tctgtgataa aggaagctat gacaaaggag tatgagaatt tcaagtttcg 240
gcagccatac caacaagtcc tatattattg ttcgctaata ctggaggacc aaacatggcc 300
atgggatgag gaattttctg cactttctca ccttgaagct agtgat 346

<210> 26107
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A8

<400> 26107

cccacgcgtc cggatacatc tccccttctc acccaaccct ccaagcaaca ttgaccgcaa 60
agggccatcc gctgcggtca gtgtaggttt ctgaatcata gcttggcgat gcctgaggct 120
agacaaatac tgagctagcc ttcagaaaaa aaaagaaaag aaagagattg agaagcaggg 180
agaaaaaatg gcactggccc attgaggaag cttgagaacc agttaacaag aattgccaac 240
atattcttgg acaatcttgt taacagagtt ttaaggtttc ccagcagaga agagcgcgtg 300
caaccaccac attcatataa ttaataagca aggttttagag aagaggcaac atgggcacaa 360
agatgaagaa ggggatcctg aagccgttcc gctatatctc aaccatcatg gatggtaagg 420
aggctgaaat gcaaattgg 439

<210> 26108
<211> 463

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A9

 <400> 26108

 cccacgcgtc cgcccacgcg tccgatctcc agactccaac cagcgcctcct cctccccgt 60
 gctttcctcc tcccttcagc catcgcagtc gcaggttctt ggctggttgc tgggtgctgac 120
 agcaaagtcc gcaactccat cctgcctgcg ctccctccgt cctccgtcct cactcagcac 180
 ccgcgcacgc cgcctgcctg tcgattgaga tctctttcac gcccttttct gccatcgcac 240
 aactgagccg cagctagtaa catccatttt gctggtcagt aagtcgtggg aggaagaaga 300
 tggattatth gaaggtgcag gtggtagagt catcatttgt agtgccgagc gagccgacgc 360
 caacgaaggc gctctggctc tcttgcttgg acatggttca gtccaacaaa gccacaccc 420
 caactatcca cttgtacagc tccaacgatg ctgcggcggc tga 463

<210> 26109
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-B11

 <400> 26109

 gataatggca taaaaaaaaa aaataaaaaa ttaaaaaaac aagacaacca tataaagaaa 60
 gcgcaaaactt acaaacacat acatgcaacc ccgtogetct actataccca cactctaaaa 120
 cccattcatt cgacgtctta acacaacttt ggtactgcc aaaaaccagtc gactccccac 180
 ttattttacac cgcagcaa at gcgaaaacct tcagcttacc caatttaaaa cattccctgc 240
 caaaccacct ttcccaacat ttactcatcc tgaatagccc atgacacacc ccttttacca 300
 acacattaac cccctcaatg tgcaaatggt acgcgccttg taaccgctac attagccgcg 360
 ggcctatcgc gctttccctc agctttaccg ctacccttgc tagccact 408

<210> 26110
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-G1

<400> 26110

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tagagaggct gttgacgaca ctgctgggtgc agcaaagatt gttgcagaac atatgggtcca 120
ggatactggg gctattgcta gttcattggc tgctaaactc tatggattgg atgttcttgc 180
tgagaatatt caggatggca aaaataatgt cacccgttta tgatgctagc tcgaaaaccc 240
aacattcttc gcaatgatag accatttaag acaagcatag tcttttctact agaagaagga 300
catggacaac tctntagggc gcttgggtgta ttgcgcacaga ggaaaatcaa cctcacaag 360
atcgaaagtc gtccacacaa ggagaggcct cttcgagtat ctgatgactg ttccttactc 420
ttaaagatt ttgattacct ctttta 446

<210> 26111

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G10

<400> 26111

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gtgtcattaa cgggtgttcga ttattaatcg atccagtttg gccccacaac tagaaaagga 120
aaaaatgcac acatcttctc cttgctactt ctaggatctt ttcatatgctc ttaatttcaa 180
tcgagggcga ggccagaaga agccaaatta ttgcaaatac tcgttaagcc ttgtttagtt 240

<210> 26112

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-G11

<400> 26112

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cgattccac gctatagttt ttgtacacaa gcaggatcat tttagaaga tatatgtcaa 120
caacaaccgc tacattacga cagccaccac catgagcaac cgggtgctctg gatcagacca 180

aaaaactaga gttcttcaat gtttcgacag gtctggcgaa ccacaaacac aaggatgttt 240
 tttcatgggt ccttattgtg ccctttcggg cacgatgagc atcctcctgc actagtcggc 300
 tgtccagctc tgctccacaa tctcgcggaac tttgcggntg tactcccgtt ggttctcgtt 360
 gaacagtctt gcggcttctg agtttgcaag ggagttccgg tttggatcac acagc 415

<210> 26113
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-G12
 <400> 26113

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 gctattgact acagacaaga agttagaatt gtctgagcaa aagagctata cttccgtagc 120
 aaatgggtatg tctgggtgtg tctgagctttc agaggcatcg attgaatcat ctggtgcaaa 180
 agctgctgca tgtggaactc tttcggttct ttcctcaatg tcaaataaag tttacaatga 240
 ccaaggaact ccagcagcat tcagagttcc tgcaggtgct gtgattcctt ttggatccat 300
 ggaggacgcc ttgaagaaaa gtggatcaat caaatcctac actaatcttc tagagaggat 360
 cgaaacagct caaattgaaa atggtgaact tgatagccta tctcgaagc ttcaagc 417

<210> 26114
 <211> 303
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-G2
 <400> 26114

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 cgattgctag ctgtaaataa ctgccttacc tgaagatact ccattcctct gattaaaagc 180
 tgggtgacggg gtcattaagg gtagaaaaga acgagcttgt gaagggtcaaa tttctgcgaa 240
 gccatggatt tctgtgctta caatatgttg ttttcaatcg gactttcctt cctttttctt 300
 gtc 303

<210> 26115
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-G3

<400> 26115

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 cgtctgagtc ctccgcccga ccaggcccat cttctgatgg cacctccagc gcccagcac 120
 catcgctcgg cgacgattct gattccgacg acgatgggtc agcttgagcc tgaccgatga 180
 cgcggggttg ggttaccggt gccactcaaa atacgatccc tttattgta aaagagggat 240
 cccttctttc cattgcattc ttgcaatccg tttcttcttg actatgtttc ttcttgacta 300
 tgtaacgata ataacatgag ataattatct gaatgacatt atatnttttc taaaaaaaaa 360
 aaaaaataat aattat 376

<210> 26116
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-G4

 <400> 26116

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 tttggttact ctggaaatac gagggatgat atgttgccac tttcaagtac ttccgaggaa 120
 tctcgcttta tgaaaatgga gaacaataat tcccggaaaa caggaagtgc tgttgctgct 180
 ctcaaagaac tttgcactgt tgagggatat aacttagttt ttcaagcctg tccatcttca 240
 gcagatgggt tagttgggaa agaattcttat gctcaggtag aagttggtgg acaaattcta 300
 ggcaaaggag ttgggttaac atgggaagag gccaaagctc aggctgctgc tgaggctctt 360
 ggaactttta gatccatgct atgtcaactt ggtcataaac gatctggctc tncagggtcat 420
 tggcaccaaa ttttaacaag cg 442

<210> 26117
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G5

<400> 26117

atcaaattcca cggtttaata acgaaccgtg ttaacttacc ataacaacaa ctcaattcct 60
 atcgaattcc ttcctatcga attcctatag taaaattcct ataggataga acgtacacag 120
 ggtgtacaca ttatatatga atgaaacata ttcattaact taagcatact ccttttttta 180
 tttaatgagt tgatattaat taaatatctt tttttttaga tttttgcaaa ggtttcattt 240
 acgcctaata catatcgagt agaccctgtc gttgtgagaa ttcttaattc atgagttgta 300
 gggaggggact tatgtcacca caaacagaaa ctaaagcaag tgttggtttt aaagctgggtg 360
 ttaaagatta taaatggact tactacaccc cggagtagca aaccaagat actgatatct 420
 tggcagcatt ccgagtaac 439

<210> 26118
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G6

<400> 26118

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 accgcgggga gtctagattt tctgatcacc gttctgtttg tggaaccttc gctgttgagg 180
 ttgaggtgag aaacaagaag acaaacaggc gctcatcaaa tgctgacatg agaattgatg 240
 ctgaagagct cttaccacag ggcaagggtg aaagagatga gaatcatgtt gcacgcgagg 300
 aggataggct agtattgcag ccggactcgc agatgccgta cg 342

<210> 26119
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G7

<400> 26119

cggacgcgtg ggccggcgct gccgccccac gtttggtgct caggtcttcg tggggccctt 60
agccggcgac gagcatcacc agctgaaaga tggcgaggat accgtctctg aagagcctca 120
atgcgtttcc acatgcggag gaacacttgc tgaagaagac ttactctggt gctgctgcga 180
caattcttgg gctacttata atgattacac tgtttgtaca tgagctgcag tcttatctca 240
ccacatacac agtgcacag atgtctgtag atctaaaacg aggagagact ctgcccattc 300
atgtcaacat gtcataatgct tctatgccat gtgaagtatc gagtgtggat gcaattgaca 360
tgtctgggaa acatgaagtt gatttgcata ca 392

<210> 26120

<211> 203

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G8

<400> 26120

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acgacatcca caaggtgcga ggggaatata cgtgcatata cgcggcggct atcatggcct 120
tggttccggt ttcggtgact actaccggcg acgtcatact atgcctatgc atcgtgctct 180
gctgtgccgc tgatgacgac ccg 203

<210> 26121

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G9

<400> 26121

ataagatggc gtgtatagac aatgcaatga gagccttggt ccttttagcg ctcttctgtg 60
tcgtgcatgg tgagaaggca aagtcaaagg acaacgatgc aaaagcgtcc gggcccgggtg 120
ggtccttcga catcaccaag ttgggcgcct ccggcaatgg caagacggat agcacgaagg 180
ctgtgcagga ggcgtgggca tcagcgtgcg gcggcaccgg gaagcagacg atcctcatcc 240
ccaagggcga cttctcgtc ggaccactca acttcacagg cccatgcaag ggcgacgtga 300

ccatccaggt gaatggcaat ctgctggcga ccacggacct aaaccagtac aaggatcatg 360
gtaaattgga tcgagattct acgcg 385

<210> 26122
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-H1

<400> 26122

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gaggggggtat ggagcccgcc gagcgaatcg agtccgggac ggcgctgggg aagcggccga 120
ggagcagggc gctgccgchg acgcccagca tgggtgacggg gccgtcggcg gcgaagcagg 180
ggcgccagga gcggcgcgcc gtctcgctgc cggctgccgg cactgggacg ggagccgctg 240
ccgccatgcc ggtgggttac tgttactact acggcggtc attcgccgch gtggagacgg 300
cggccttctt gaaggcgchg gccgatgca gccgncgnc egggccggc cacgacacct 360
tcattctacag gggcgaggcg gcgttctgca accaggagtg ccgggagaag cggatcgagt 420
acga 424

<210> 26123
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H10

<400> 26123

cccacgcgch cgtgggggctt ccacaaccgg taacactgca tttcaagata aggggtttga 60
tgctacagga tgggaactcg cccttggtac cgcaccgagc aacacgactt catctgcgch 120
tgtcgggtcaa ttgggtggcg gatttgacaa gctcattttg gacagccttt atgatgacgg 180
ggcctacagg cagaggcaac agcaacagggt gtatgggttca gcagtgccta atccattcat 240
gtcaaatgat cctttcgtga tgtcaaacca agttgctccc ccaccatcag ttcaaatggc 300
tgccatgtct cagcagcatc agcagatccc cagatgatg caaccaaadc cttttggacc 360

acctatgcag ccacaggtag gcatgggtcc agcaacaaac aatccctttc tggatgctgg 420
attcggggca ttcccagtgg cgaacaatgg ccatcagcaa cacaacc 467

<210> 26124
<211> 323
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-H11

<400> 26124

ggagcgcct cctacggcgc ggcggcgcct tccgggggct ccgccgatgc ccccgccggc 60
gcctccgagg gccctgcgag cgccagcggc ccgtctggtg acgacgcgcc ggcgtccggt 120
gctggtgcc a gcgcgtcggc tgctgatgct ccgcggcggc ngntcatcc ggtccctcta 180
gcgcaccagc gccatcgtcg tcgtctgagt cctccgccgc accaggccca tcttctgatg 240
gcacctgcag cgcgccagca ccatcgtccg gcgacgattc tgattccgac gacgatgggt 300
cagcttgagc ctgaccgatg aca 323

<210> 26125
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H12

<400> 26125

gcggccacgc gtccgggtcg agctgcttcg gcgacagaga gccgcttcgg agcaagcagc 60
aatggacgct gagcagaggc aaagtccggg tggcatgtgg gggtggatcg ctggaagccc 120
gacaccagca gtttagttcc gtgattcata tattttactt gtaacattat atatcatttg 180
actgacaccc tctacaattt ttttatattg gtacttacgg cattcgtgtt cattttggac 240
ccacaaagaa taaggtgttc tagcgatcgt tatactcaca attactcaa atgtattctt 300
taggttttagc aaggggggtgc tcatgttagt cgatgtgctg gttatccttt tgacgctgtg 360
ctggttttggc tgtcc 375

<210> 26126
<211> 284

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-H2

 <400> 26126

 ctgcgcgccac cgtccactgc gtcacacaca taataatgaa tggtagccgcc cttttcctac 60
 gagatccgga acgattgagg cgaacacacg tacattcacc cggaggcaat aatggctttg 120
 aacccggctt cggcgatgac tacagcctat ggcgtgctat tcctacgcta ccggtcacg 180
 cgtgccgcgg ctctcaaccg gtacctctgc gattacatca tccaggggac catgtactgt 240
 gacacctgcc gaaccacgga caggagcaac gtcagcgagt acat 284

<210> 26127
 <211> 351
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-F9

 <400> 26127

 cccacgcgtc cgcccacgcy tccgcccacg cgtccgagaa tgtacacgga ggtaaatatt 60
 gccatacat accctggaac aaattgtatt aattgtcaca gattgactgc actcagaatt 120
 acacagcatt cttttggaca tttggtgggt aaatatgaaa tctctttggg aatatacctg 180
 tatatgcagt ggtagagaat atcgctgttc cttttatggt ggatgcactg gaaagggag 240
 aattgtactc tgaccagcca cagcatctct tttgatcatg tctatattct gctctcagt 300
 aaaaaagaga tttcattatg tcatttaaca cggaccacca tttatgtgag c 351

<210> 26128
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-E3

 <400> 26128

 gccgttgtgc cctcgaactc gaatcggaaa cccagccagc catgtcgtac tacggcgacc 60
 ggcgcgcgga gtcgtcgatc gtggaggcgt tcacgctgtc gccgctgccg taccgggtga 120
 tcctggtgct gctgatggtg acgctgctgc tgggcgcctc gtggttcttc acgtacgacg 180

acttcatcga ggaggcgctg cagcagctga gctgggcgct gctgggcgct cccatcgcg 240
 tcgtcctcct catccgctgg atctcctcgg tcgactcctt cgagggctac ctgggcttct 300
 acccgaggga gagccgc 317

<210> 26129
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E4
 <400> 26129

gatttttagcc gccgccgctg ctcatctcac atccctcgag aagacgcctg ctccctcgccg 60
 atcgatacga tggccgtctt ctccgacctc cacaccgccc acggcctcaa gtccctcgag 120
 gctcacctcg ccggcaaaac ctatgtgtct ggtgactcca ttactaagga tgacattaag 180
 gtcttcgccc cggtgccgctc gaagcctggc gctgagtttc ctaatgccgc ccgctggtag 240
 gagaccgtct ctgcggctgt agcctcaaga ttccctggta aggctgttgg tgtaaactctg 300
 cctgcgggat cagctcctgc ggcagctgct cctgcggatg aagctganga tgatgatgac 360
 cttgatcttt ttggtgatga aact 384

<210> 26130
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E5
 <400> 26130

gtgccgagca aggcgcgctg ggtgaaggta cacaaatgag aacgaaggcg gctcggagac 60
 gaatgccagt cgcgttttggc acgacaatac acaagtgtcc accggagtag ctggacctct 120
 cgcaaccgca cggtaggagg acgtgcggcg gtggctgcgc ctgtgcatcg gatttcgttt 180
 gttttctcca tgaattttgc atcgcgtgtt agtgctccct aatatttggg gcaaaacata 240
 tgtttagtag agggatatgg gtcgactcag attaagtaat tagcgagcca aatgtggtat 300
 cgtcgtccgg ttattggtaa tgtatctgct gtggtataaa tgtatctgct gttggtatac 360

attatgaaat cacattntaa ttntctatgt agg

393

<210> 26131

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E6

<400> 26131

gctggagcta tcgtggcagg aggaaagggg actgcccagg acaaaatcaa ggcactcaga 60
gaggcaggtg ttaccgttgt cgagtcacca gcgaagattg gctctaccat gtttgaaatc 120
ttcaagcagc gtggaatggt agaatagacg atggagacat tgagaaaccg cattttgatg 180
ctcatgggca attgcgagca attccttcca tggcctcaaa caaaactaat gaggctacct 240
tttcttacgt gccttctgtt tggaagatgg cctcttcacc tggatcacct tccaatgagc 300
tcatttccaa taagacgttt cagagccatg gacatgcttg gagtcaatgt gaatgcctaa 360
tttcgaattt ttattgttta cacatgtcaa tctaggttta ccaatc 406

<210> 26132

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-E7

<400> 26132

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agctgggaga aactgcggaa ccagaggtca aggtgctgga cctgaccatc ctgtcacctg 120
gcagaccgga cctgatecct ccgatcccg tccaggctga cgagaagggc tatgcgtttg 180
ccctcaagga cggcagcccc tacagcttcc gcttctcctt catcgtctcc aacaacatcg 240
tgtcaggcct caagtacacc aacactgtct ggaaaactgg agtcaaagtg gagaccacaga 300
agatgatgct ggggacgttc agccccagc tagagcccta tgtctacgag ggcgaagaag 360
agaccacccc tgggtggcatt tttgcgagag gttcttaatc tgccaaacta aaagttgggtg 420
atgatgatgg caagtgcctn ctggagatga gttactact 459

<210> 26133
 <211> 455
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E8

<400> 26133

cagacaatca gcagctagac caaaagaaag aaaggctcgt tatatgacag accttgagcg 60
 gaagggtccaa actcttcaga ctgaagccac caccctgtca gctcaactta cactatttca 120
 gagggacacg accggacttt ctacagaaaa tgcagagctt aagataagtt tacaggccat 180
 ggagcaacag gctcaactcc gtgatgctct gaatgatgca ctaaagcagg agctggagag 240
 gcttaaacad gctactgggtg agatgaccaa ttccagcgag gcatataaca tgagattcca 300
 acatgttcca tacaattctt ccttcttccc gctttcccag caaaatgcat ccncacacct 360
 tggtagcacc cagctgccac tgccgttcca cccaccccat cccaacgtgc caaaccacca 420
 gatgcgaaac actcttccgg acataatgca gcaag 455

<210> 26134
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E9

<400> 26134

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 tgttccctcg aggtgagagt aagatgaggg agatcctgca tatccaggga gggcagtgcg 120
 ggaaccagat cggctccaag ttctgggagg tgggtgtgca tgagcacggc atcgacccga 180
 cggggcggtg catggggacg tcggacgtgc agctggagcg cgtcaacgtc tactacaacg 240
 aggcttcgtg tggtaggttc gtgccgcgcg cgggtgctcat ggaccttgag cccggcacca 300
 tggacgccgt ccgcacgagc cctacggcc agatcttccg ccagacaac ttcgtcttcg 360
 gccagtccgg cgcgggaac aactgggcca aagggcacta caccgagggg gcggagctca 420
 tcgac 425

<210> 26135
<211> 357
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-F1

<400> 26135

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gcctcattct tgatggggcg cagacctggg cgtcgcgcag ccgcctctcc cacgtggcga 120
cgttgcgggg gcagtgcggg agacgacatc aggagtgcgg aaggtggagg ggaatcaacc 180
actgcattgg tgtagattgg cgggcaacct gtccgggctg ccatcgtcgg acggcgacca 240
aatctaggca gcgcgggtgt tgggtggcctc caacgaggcc tctcctcgac tgacgtggtg 300
gacgcgacag ccatcgagcg canggtggag ataatggtgt tctcgaggat cctcgcg 357

<210> 26136
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F10

<400> 26136

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ggaagtagag tagactacga cagcgtccgg cgaggaggcg gaggcgaaga tgaggaagaa 120
gctcggcacc cggttccccg cggctcgaat caaaaagata atgcaagcag atgaggatgt 180
tggaagatt gcactagcag ttctgtttt agtttcgagg tctcttgaat tgtttttaca 240
agatttaatt gaccgtactt atgaaattac tcttcaaagt ggagcaaaga cactgaattc 300
cttcacctg aagcaatgtg tgaagaggta cagttctttt gatttcctaa ctgaagtgtg 360
cagcaaggta ccagatcttg gtggcgctga ttctgtgga gatgaaagag gattacctag 420
aagaaggtaa ggtcatttgt aatcaacatt ttatgattca attggctcac gt 472

<210> 26137
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F3

<400> 26137

cggacgcgtg ggcggacgcg tgggcggcga cgtctccacc tacgacagcg gcagggtctg 60
gggcgagaag tactacaatg gcaacttcga gaggtctgcc aggaccaagg ccaagggtga 120
cccctgcgac tacttcagga acgagcagag catcccgcca ttgctcaagt gatcgatgat 180
acccggtccc atccagatcc ttctgaccgc gccaaagcaaa aggacgacga gtcgtacatg 240
attctgctga ttatattaat tagattgatc ctgctttgca tgcgttgagc cagggtgcttt 300
gcatggcgag ttagctacgt agttggcatc agccacatgc atgacattaa aacacaagct 360
gacagccggc tacccaaagt aaataagata cgcgacatac acttgctgct caattagtat 420
ggctggttct tcttttttaa tatta 445

<210> 26138

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-F4

<400> 26138

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gatctgatga ggaaggctctg cccgaacctc gagcgcgacg acgcgctgga cacggtgctg 120
gaggtaccca tccccgagga gatgttctcc ggcgggcgcg gcggcggtc ctgcgggttc 180
aggttcggct gcagcagcgt caaggcgtgg atgcggtcgc acgccgccga ccggtgcggc 240
gcgggcgagc cgtgctccat gagccgcggg gagctgcagc tcatgctggg cgtcatcggc 300
gcgccgctcg tcccgctgcc cgtcgccgtc gtctgccgcg ccaagcagtc gccctgctcc 360
gtcctctgcg agcagctcaa gaccggtcca atcgagtcgt cctccgcaa gtacatcgtg 420
cagcagtacg tcgcggcgctc gggcgngag tgggcgctgg acagggtcaa gagcatgt 478

<210> 26139

<211> 466

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-F5

<400> 26139

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tgccctgaagc gtgcatatat atattcctgc caagataaag gtaatggagt cgtcacgcag 120
gttccagccg gccgtcatcc tgcttctcct gctcattgtg tccaccgata tggcacaggc 180
aagggaatgc gagaagtaca gtgagcgcatt tgttggggca tgcattgatcg cagacaactg 240
cgccaatgtg tgccgcggtg agggcttctt ggccggcagg tgcagcacct tccgncgncg 300
ctgcatctgc actaggcagt gctaaacaag atcgctcgat cgctcggcat gcatcgacaa 360
cctattctta ataacgttca ttatctcggc cctatttatg acgaatgtca tgtatgttct 420
tgtgactggc atgtatatcc tgatgactgg catggatctt ggtcat 466

<210> 26140

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F6

<400> 26140

gggcgacgtg gatgagctgc tgatgtcgcg tctcaggat ggcgacacct gccagggcga 60
gagtggagtc gcgatgacgc tggccgtcga cacgaagcgc gcagcgtga gtgtatgcgc 120
tgagatgctt gtctacatga cgctggtgtt caacgagttg aggaatacgc tcgagaagca 180
ctgtcagtgg aggtatcaga tccgatgagc atgtgcatgc tcggtgctga tgcattctct 240
agcaagcgcg tccggataaa gacgctggtg atttgtggtg tggtgacaca tgaatgaatg 300
atacgagagg cttgttccca cgtccgtgta cgaggactat ggaatagcaa atctggtgct 360
accaacgagg cattacctat atg 383

<210> 26141

<211> 81

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F7

<400> 26141

cccacgcgtc cggctagcgg ttgcttcatt tcattgttca ttttttaaaa aattttatat 60
accacgcctt tgcattgaga c 81

<210> 26142
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F8

<400> 26142

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actggtctga ttaacaagga gagtcttaac ctacatcacg acaacgcaca aagcaaccaa 120
ctccaattgc taactgccga tgacatgctc acctgaagat actgcattcc tttcattaaa 180
agctggtgac ggtgtcatta agggtagaaa agaacgagct tgtgaacgct aaatttctgc 240
gaagccatgg atttctgcgc ttacaatatg ttgttttcaa tcggactgtt cttccttatt 300
cttg 304

<210> 26143
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E2

<400> 26143

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acaggttgcg atggttgtgg cgttgggtgtt cttgggtgagc ggcgcatggt gcggtcctcc 120
caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc tggacgctaa 180
agcgacatgg tatggcaagc cgacgggtgc cgggtccgac gataacggtg gcggtctgcg 240
gtacaaggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca acatccccat 300
cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata agcctgtgga 360
gtgctccggc aagcccgtgg tgggtcacat cacggacatg aactatgagc ctatcgc 417

<210> 26144
<211> 391
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C9

<400> 26144

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agagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaatataaa 120

attaaaaaaa aaaaaaaaaa aaaaaaaaaat aaagggtgac cttttaaatg gtcaaaaatt 180

tctttaccct tattttcaaa attatatattt tttaatagtg aactaaatt taaattcttt 240

tcctactttt taaaaatttc ttaattggaa aaactcttgc gttaataatt tttatccatt 300

ggacccaaaa cctcttttgt caagatgaca taatagaaat aaggccctat ccattggatt 360

ttcctaagat tcctacacct ttattgggaa a 391

<210> 26145

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D1

<400> 26145

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gtcggttggg acagccnnnt caacagcagt ggtcagagct catgcatggc cattggcngn 120

ngatccantc nnaccatgtn nctgtggacc caacaacang nctagtgttt gggcttctaa 180

acaaagtgan nctcccgenn acttggcatg ctnnttggac atccnnntgg tctcaaaagg 240

gcncnntgtc attggtgggc anngtacnn tcggtnttgg gcaccagcan tnncttccgn 300

ngccccgggc cgggtgtccc caatgctnnn ttgagtgagg gggatgcact nnggcacatt 360

ngctctgatg ggaccaataa agtttcccaa cttggagaca cttcaaggga tttatgagng 420

gagtggacct attgatcttg gggaaagc 448

<210> 26146

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D10

<400> 26146

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ttccatgcat ggcgttgccg cggccgtccc cgcaatcaac tcccagatct cgtgctcacc 120

tccccgcaat caaggtcgtc acgcccgatg aggatggccg cgagtcgccg cacggcggtc 180

cgggccccag cgatagctcc ggcgcaggcg cgaggaagaa gctccggctc accaatgagc 240

agtcgacgct gctcgaggac accttccgcy cccacaacat actctccaac gcgcagaagc 300

aggagctcgg acggcagggt gatctcagcg ccaggcaggt tcatatcgtc ttctgcgtgt 360

atgtagttgg ttcttcttca attctctatg tggggaaaac attaattggg attttcccag 420

caatcagctt gataggcgac atcatca 447

<210> 26147

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D11

<400> 26147

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ggatcgggtcg gaacagcatt tttgtccaag ttccaagtgt ctcatatgcc acatccactg 120

ttagagcacg tgaccttcgt ggacactcca ggagttttat caggggagaa gcagcggacg 180

cagcgcagct acgatttcac cggagtcacg tcgtgggttg cggccaagtg cgacctcatc 240

cttctcctgt ttgatccgca taagctggac atcaacgatg agttcaagcg tgtgatcggg 300

tctctccgcy ggcatgatga caagatacgc atagttctca acaaggccga ccaagttgat 360

gcacagcagc tgatgagagt gtaccgagca ctgctgtggt cgctcgggaa agtcctgaac 420

acacccataa gtcatgcgtg tctacatagg ttcatccaac gac 463

<210> 26148

<211> 326

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D2

<400> 26148

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cggtgctctt ctacatcctc gccgttgctg ccctcagcgc ggccgaggcc ccggcagagt 120

caccgaagga aggcaagtgt gccaaaggcac ctgagtcctgc caagagaact gctgcccccg 180

ctgaagcacc cgaagccgca tccacccccg tcgccgcgcg tgccccatcg ccgtcgtcta 240

ggaagtctgg tccagctacc gcgccagcca ccgnctctac acccccttct tccacggacg 300

aggagttgag cccttccccg ccagca 326

<210> 26149

<211> 305

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D3

<400> 26149

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgccggg ggctctccca 60

ggaggacctc gtctgctct cgggcgcgca ctccatcggc ggcgcgact gttcatgtt 120

ctccaaccgc atctacaact tctcccagga cgccgacgtc gacccacgc tggacccgga 180

gtacgccaag tggctgcgcc agatgtgccc gccgcggcag cccggcgacg accccgagca 240

agcgcccaag gtgaagttcg acgcgcagac ggnggagcgg ctgcagtcg cgtactactc 300

cgagc 305

<210> 26150

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D4

<400> 26150

cccacgcgtc cggcgacacc tgccgcgccg ggttcgtgac caatgtcacc gagtacatcg 60

cgggcgccaa ggtgaggctg gagtgaagc acttcggcac cggcaagctc gagcgctcca 120

tcgacggggt gaccgacgcg aacggcacgt acacgatcga gctcaaggac agccacgagg 180

aggacatctg cgaggtggtc ttggtggaga gcccgcgcaa ggactgcgac caggtgcagg 240

cggacagggga ccgcgcgcgc gtactgtctca ccaggaacgt cggcatcagc gacaacctgc 300
 gccccgacaa cccgctcggc tacttcaagg acgtgcccgt gcccatctgc gctcgtctgc 360
 tcaagcagtt ggactcggac gacgacgacg atcagtaata gcacatcgtc gacgaccgca 420
 gactggctgg cac 433

<210> 26151
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-D5
 <400> 26151

cacacgcacc cacacgacac atccagatga tgcttaggggt tccccgtcc ccggccgcgc 60
 cgggtgccaac ccagctctcc ggtgcgcccg cgacccctgc tcccgctcgc aggggtggcgc 120
 cgccgcgcgg agtcgcctcg ccgtccgctg gcgcgcgcgtg cagggccgcgc ggcaagggga 180
 aggaggtgct cagcgggggtc gtgttccagc ctttcgagga gatcaagggg gagctcgccc 240
 tcgtgccccca gtccccagac aagtcgctcg cgcgccacaa gttcgtcgat gactgcgagg 300
 ctgcctcaa cgagcagatc aacgtggagt acaacgcctc gtatgcatac cactccctct 360
 tcgcctatatt cgaccgcgac aacgtg 386

<210> 26152
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-D7
 <400> 26152

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 ctgtttgcaa cttcattaca aatgttggcg ggggtgactcc catgatacct ttgccaccac 120
 cagcactacc tgcatacaagt ggaacttcat atatcatccc gtcaatttcc gtgccgacga 180
 atcaaccgcg gaatgtaact gttgtcgttg aaaacccaat gacagtagat gacaagggaa 240
 aattggtgag caatgttgta gtaggggtta cgagcggcgc gaaaaagtga cggcatatca 300
 caaccgtgtg tagctttgtc caaactatct aaaaagggtt taagaatata taccttgtat 360

catactgctg tttggcgatc g

381

<210> 26153

<211> 219

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D8

<400> 26153

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aatggatgag tgctattaca tatgtggcat cactcaaagc atgacttcca tgttgaacta 120

tctttcacct tagcaaacct aatatactaa tcgacattag aatcctctaa atacttataa 180

ctatagcctc atttacttat tccactgaaa cacaacata 219

<210> 26154

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D9

<400> 26154

gggatggggt tcaaaaatga agtttcaaata aaatctattg ttgagccac tcttgaattt 60

gcaattgtac aagatgcaga tcgcttggat gcaattgggg caattggat tgcaagatgt 120

tttacatatg gtggtagcaa gaacagcgca ttacatgatc ctagaattct gccacgtgat 180

agcttgtcga aggaaaagta catgtccaag gaagagaagc agacatcaat caatcatttt 240

catgagaagc tctttaaact gaaggacatg atgaagacag aggccgggaa aaagagagct 300

gagaaaaggc ataggttcat ggaggaattt gggggctgaa ttctacgaag agtggagtgg 360

cagagcttga ggttgaacaa ccaggttttg agcctatgtc aaagtgtgca gttggcgaac 420

catttctcaa caacccatga tgat 444

<210> 26155

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E1

<400> 26155

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ttcgttccag cagacgagta tctttgtctt gcaacttggg ataccagagc tccaacacca 120

taccaaattg aaaaagctgc acgttgggct tgtggaaaga gatctgaggg gaagccgggtt 180

tatgtccatt gcgcatttgg ttagaaatcc accttttgtt ataattaatt acaggattgg 240

atcttgatgt tcagattatg cacaaaatta tattttctgc tatttatgca atatattaac 300

tgtca 305

<210> 26156

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E10

<400> 26156

atcgcgccgg tgtcgggtgaa ggggagcaag cgtgtcaagt ggacggagat gaagcgcaac 60

tgggggcaag tgtggcagac cggggaggac ctcacctgag agtcgctgac gttccgggtg 120

atgaccagcg accaccgcaa ggccacctca tggcacgttc tccccgctga ctggaagtcc 180

ggtgtcacgt accaggcatc caagaacttc taagtagcca cttttcctcc tcttcttcaa 240

cctgcatatg cccacaagca accatgcaga tgataacatg catcatgcat gcatattcat 300

tctttcgctc atgcattccg atatggtgcc ggagttaaaa aaatgtaa atcaatgtgcaa 360

actcaa atga catcttaacc agttgtgat 389

<210> 26157

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E11

<400> 26157

ctccttctgc tcggaacgca cacaccgacc ggtacccgat ctccgatccg ctcgctcgatc 60

cgaagatgca gatcttcac cagaccctca ctggaaagac tattaccctc gaggtggagt 120

cttatgacac cattgacaac gtcaaggcca agatccagga caaggagggc atccccgcgg 180

accagcagcg gctcatcttt gctggcaagc atcttgagga cgggcgacaca cttgccgact 240
 acaacatcca gaacgagagc accctcgacc ttgttctccg cctcagggga ggcattgcaga 300
 tcttcgtcaa gacctcact ggaaagacta tcacctcga tgtggagtct tctgacacca 360
 tcgacaacgt caaggccaag atccaggaca aggagggcat cctgcagac cagcagcggc 420
 tcatttttgg cggcattgcag ctcgagga 448

<210> 26158

<211> 434

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-E12

<400> 26158

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 cgcctaccgc tccaagatcg agaccgagct cgcccgcatc tgcgacggca tctcgcct 120
 gctcgactcc cacctcgtcc catccgccgg cggcgccgag tccaaggtct tctacctcaa 180
 gatgaagggt gactaccaca ggtaccttgc tgagttcaag tctggtgcag agaggaagga 240
 tgctgcggag agcaccatga atgcctacaa agctgctcag gacattgctc ttgcagatct 300
 ggctccaacc caccatca ggcttggcct tgctctcaac ttctcagtgt tctactacga 360
 gatcctgaac tcnctgatc gcgctgcaa ccttgcaaaa caggccttcg atgaggcgat 420
 ctctgagcta gaca 434

<210> 26159

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C8

<400> 26159

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 ccgccgggga tggggggagc gcaattcccc ggcgacaacg acgtcgggga agtagacgcg 120
 gccgcgacg gagaggtgga ccgccgtgac gtgggcaaga tgaagcacgg gtgcgagcat 180

taccggcgga ggtgcaagat cgtggcaccg tgctgcaacc aggtgttccc ctgccgccac 240
 tgccacaacg aggctacggc ttccggagat cggcatacaa tatgtcgtca ggatgttgaa 300
 aaagtagttt gcctactctg tgaacacaaa cagccagtgt cacaagtgtg cataagctgt 360
 ggagtcaata tgggagagta cttttggata tatgcaaatt tatgatgatg atacagaaaa 420
 gggcagtacc attgcatcga ttggtgcata tg 452

<210> 26160

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B10

<400> 26160

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 gtgatgttcc acatccatgc ctataggcca ctcacctcac cacgcagcgt taccggccgt 120
 actactatat ctacatacga ccgtgggaca acgtcgaccg gagctcgatc ggcgagttg 180
 ccgcatgggc gtggctgtca aagttccttt gtttctttct tgatttgtgc ttgcgttggg 240
 ttcggtgttc cactttcttt ttatgtgatt attaatcttg ttttcaaaaa aaaaaaaaaat 300
 gcaaaaagct gaccgcgcta aacaacaaaa caagtcacac gcccgaaatca ggacggtcaa 360
 tggacctaga ccaagaactg gccccaaaaa aaaaaaaagg gcggcccttt ttaag 415

<210> 26161

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B11

<400> 26161

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 aggggcgatg gcggcggtg atgtggagta ccgttgcttc gtcggcgggc ttgectgggc 120
 caccagcaac gagtcgctgg agaatgcctt cgcctcctac cgcgagatcc tcgactccaa 180
 ggtcatcacc gaccgggaga cggggaggtc tcgcggcttc ggcttcgtta ctttctctc 240
 cgagaactcc atgctcgacg ctatcgagaa catgaacggc aaggagctcg acggccgtaa 300

catcacggtt aaccaggccc agtcccgtgg cgggtggcggg ggccggcggtg gctacggcgg 360
 cggtcgcggc ggccggcggt atggtggcgg gcgccgtgac ggccggttatg gcggcggtgg 420
 cggctacggc ggtcggcgcg aggggtggtg cggcg 455

<210> 26162

<211> 366

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B12

<400> 26162

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 ggggtactac aacacccggt cgcacgacgg gtacgcgccc atcgcgcgca tgctggcgcg 120
 ccacggcgcc gtgctcaact tcacgtgcgt ggagatgcgc gaccacgagc agccgcagga 180
 cgcgcagtgc cgcggcgagg cgctggtgca gcaggtggcc gccgcggcgc gggaggccgg 240
 cgtgggcctg gccggcgaga acgcgctgcc gcgctacgac gacacggcgc acgaccaggt 300
 ggtggccacg gtcgtcgaca gggccgtcga ggaccgcatg gtggccttca cgtacctgcg 360
 catggg 366

<210> 26163

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-B2

<400> 26163

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 tgcaatgtac gcatcaccaa ctcaaccatt ggcaccggcg acgactgcgt ctccatcggc 120
 cctgggagcg acggtgtcat ggtgaacaac atcacctgtg gccccgggca gggcatcagt 180
 gtgggctgcc taggccgcta caaggatgag aaggacgtga gcgacgtgac ggtgcgggat 240
 tgcgtgctta ggaacaccac caacggcgtg cgcacatcaagt cgtacgagga tgccgagtct 300
 gtgctcacgg cgtcccatct caccttcgag aacatcagga tggangaggt ggccaacccc 360
 atcatcatcg accagtactc ttgccccaa gaggtcctgc cccgcaagcg aagcaac 417

<210> 26164
 <211> 354
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-B3

 <400> 26164

 gcgtccgccc acgcgtccgc ccacgcgttc gcggacgctt gggcggacgc gtgagtgcc 60
 acttcacgag cttgtgtgaa tagtctgggg taccgactgc ataaattact gcagattgcg 120
 acacctgtaa aagttacaca agaacatctt gatcgagctt accaggcaac caaatctgca 180
 gatctgatga acttggaatc aaggtctata gcatctgaag atattggaag acaggttctt 240
 acttatgtgg aaaggaagcc catctagtat ttctgaaaa cagatgacga gatcactttg 300
 aatgacattg tcgtaaccgc aaaggagatg atgtgtacac cactcactat ggca 354

<210> 26165
 <211> 473
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-B5

 <400> 26165

 cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcggtccgc cacgcgtgcg 60
 cccacgcgtc cgcccacgcg tccggttgag tggcaaccgc gtagcacaat aggagttgtg 120
 attgttgatt caagttacta cgtaagtacg tatattagag catgactaat aatgcgaata 180
 ttgttaaaat ggatacgag gagggcagga ggtgagcttt tgcattgtcta gatattagca 240
 gagtaacgag ggatcgattg ctatttgtga ttgtccccgg cccgtgtttg gctactcacc 300
 gttcaatttc ggtttctatc ccaatgatag aggccaaggt aaaggcatag agaccccaaa 360
 cttaaatacca aaataaacta caggaagaga gaggggaagg accacaggag agtcattaag 420
 taaatccact tggtgtctga ttagggtagg aaatgatgtc tgaaagtgc gag 473

<210> 26166
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-B7

<400> 26166

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tggacatcga cctcttcccc gacatcgacc ttgacgcctt cctcgctcc ttctccggcg 120
accccgccgc cgtctccggc ctcatcatcc cgtccccgcc tccgccggcg ccggcgacgg 180
cgcacgatgc ggaggcgggg tcgccggagt cgggtgacct ccggacgaac ccgctcgggg 240
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gngaggtcga tgggatcagc gtggaccagt tcttcgacgc gctgtacgac ggcgaggagg 360
cgaaagggtga gcgggaggcg gnggcaagcg cggatgtgga ctccggcagg gacgatgtgc 420
tggaagtcgt gacgccagag gcggggacgg tggangtgga tggcgatgat cccat 475

<210> 26167
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-B8

<400> 26167

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gtgttcagct acaaccagat gggcgacgtg cccccgccg ttaacgggcc actccatgtc 120
atccccaaag tcatcaccgc cgagttccgg accttcacg agatcgtctt cgagaacccc 180
gagaagagca tagactccct ccacctcgac ggctacgcct tcttcggcgt cgggatgggg 240
cctgggacgt ggtcgccgga gatgaggaag acgtacaacc tactggacac ggtgagccgg 300
cacacgatcc aggtgtacct gcggtcatgg acggcgatca tgctgacatt cgacaacgcg 360
ggcatgtgga gcgtncggtc caacgtctgg gaacggtact atcctcggga gcagttctac 420
atcag 425

<210> 26168
<211> 436
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-C1

<400> 26168

cccacgcgtc cgaacgacct ggccaagtac acggcgagtt ggatccaggt gtcgcacgtt 60
gacaacatcg tcatcaacgg ctccggcacg ctcgatggtc agggcaccgc agtatatacc 120
aagagcaaga ctgacgtcgt caaggcgatg cccaacacac tagtggtgtt ctacgtgacc 180
aacggcacta tttccggaat taaactactc aactccaaat tttccacat caacatcgac 240
acttctaagg acatcacctg gaaggacgtg aacatcacct cggccgcgga cgtcgagaac 300
acggacggcg tccatgtcgg cgggtcctcc aatgtacgca tcaccaactc aaccattggc 360
accggcgacg actgctctn catcgccctt gggagcgacn gtgtcatggt gaacaacatc 420
acctgtggcc ccgggc 436

<210> 26169

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C11

<400> 26169

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gactggatga cttttcacat tcccataagt ttgccgttgg tactagagtt caagctgtgt 120
ggagtgaaga tggagaatgg tataatgcaa ccgttgaagc tttgacacca aatggatact 180
atgtagccta cgatggctgg ggaaacagtg aagaggtgga ccagataat gtgaggctgc 240
ttgaggaaga agcagctgat gccttgggac aagctgaaaa ggaagctgaa gctacaaaaa 300
tggcaataaa gaggaattt gaacaagcag caacatctga ttttcaggcg cgtagcttgc 360
cggccaaact tcgtatcgaa ccaagtgacc ctgaggatgt aaaagctgca aagcgtaaga 420
aaatacatgc tttcaaatca aaatcccgtt ttgagcag 458

<210> 26170

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C12

<400> 26170

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agtgcagtct gaagggctgg gggacctttc acattggcat aggtttgccg ttgttactag 120
agttcaagct gagtgcagtg aacatggata atggtataat gcaaccgttg aagctttaac 180
accaaattgga tactatgtac cctactatgg ctggagaaac agtgaatagg tggaccaga 240
taatgtcacg ctgcttcagg aacaagcaac tgatgcctta ctacaaactg aaaatgaagc 300
ttaagctaca aaaatggtac ttcacaggtg tattcaaca 339

<210> 26171

<211> 171

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-C3

<400> 26171

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gccgccgctg tggagccgcn nctcgcgggc atanncgcg cgccccgcgc tttngctggc 120
gccntgtcc gacgggcgca gatctcaacg agggggccag ctttctcgtc g 171

<210> 26172

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C4

<400> 26172

accgaattcc ctgcgattcc tctcccctcg cctcctcgtc tccccctagg ggatcgtcgg 60
agaggaatcg caaagagggc cgtctcatcc gagttaagga agccatggag cacaaggagg 120
ctgggtgccg gggccccgag ggacccatcc tctgcatcaa taactgtggc ttcttcggca 180
gcgcggcgac catgaacatg tgctctaagt gccacaagga gatgataacg aagcaggatc 240
aggccaagct ggctgcctcc tctatcgaca gcatcgtaga cggcagcgac gccgtcatgg 300
agccggttgt tgctggcagc aacacggtag tagctgttgc ccaagtcgag ttgcaaacia 360

tgaacgtgca gcagcccgt gatgttgccg gaccagcga aggggtggcg gcgatctcca 420
aagggggga 429

<210> 26173
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C5

<400> 26173

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ctgctcctgc tgctgctgct gctccccag ccgctccgc ccggagcacg ccgccggcg 120
cgacgccggc gcgtcgcatg gatatggccc ccgctctgt ctacttcaat ccgcgctcgg 180
tcgaggaaat cttcaaggac ttctccggcc gccgcgggg gctcgtccgc gccctcacct 240
ccgatgtgga cgatttctgc agcttggtgcg acccagataa ggagaatttg tgtctctacg 300
gccttcccaa cgggagctgg gaggtgtcgc gccggcgga agaggttcct ccggagtgc 360
ccgagccggc gctcggcatc aactttgcgc gcgacggcat gcagcgccgc gactggctca 420
cactcgtcgc cgtgcactct gactcgtggc tcctctccgt cgcattcttc ta 472

<210> 26174
<211> 73
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C6

<400> 26174

cccacgcgtc cgaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaagaa 60
agggaaacca att 73

<210> 26175
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B1

<400> 26175

cccacactct gcctgacacg tgggttatgc ccctgtttac tcctaccgaa cttaccacca 60
 gggaagatct tatgcagatt ccgtcagcac ccctgttgaa ggccctaccac actgtgtacg 120
 aggactacct gtcggagctt gacaagggtca tcaaggttct ccatgacctt gtcgacgagc 180
 agaattacgc ctgcgtcatg ctctgcacg catggtactt catacacaca ctcgatgtgc 240
 gcacccaaaac cggacgcccc ttctgcgcct ttattaacct agtctaactg ggcgccggag 300
 actacggcgg actggcaagt gccattaggc tgctatgaca catcaacgac gagtttctca 360
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<210> 26176
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H2

<400> 26176

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 gctggacaag aagaaagctt ctgtcttctt caagaccact gctgatgggt actcgtgtg 180
 cgccaaggag atgaccaagc tctctggtat ctggacacg atcccagaga tggagatctg 240
 tgacttcgac ttcgagccct gtggctactc catgaatgct gttcatggcc ctgctttgtc 300
 gaccattcat gtgacccag aggacggctt cagctatgca agctacgagg tcatgggctt 360
 caaccgggc tctttctctt atggtgacct 390

<210> 26177
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H3

<400> 26177

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 cacactcagc tgcgggtgtg gtggcatgcc tcggatatgt gacttcgggt cttctcaacc 180

cttctgcctc gaggcctgca tctcctcgac tcgtcgccga tctcttgtga tctgtctcgc 240
acctcggccc tcaactgaat attcaagaca tggaggatta cccagccata ggtttcactt 300
atctggggga gtttgatga 319

<210> 26178
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H4

<400> 26178

atcgacctga cggggcaggg ccacgaaaag ctctctccc cagttaccga cgtaagtac 60
gtcccgaacc agtgggtgctg gttcgacgac ggggcccagg acaagtccaa gctgcctagc 120
aacgtccagt atgcatgtgc gagcggcgac tgcacggcac tcggctatgg ctgctcctgc 180
aatgggctgg acgagaagag caacatctac tacgcgttca acatgtactt tcagatgcag 240
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ttcacgcgcg gctgcctgtt cccgggtccag ataatcagtg ccagtgcctg ggtggcgcca 360
gctctattga tggcggggct attggcattg cttgtgaatg tgaat 405

<210> 26179
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H5

<400> 26179

gactcatcga gtgcaaagca gttgttatcc taagaacctat gcataatgcta ccagaataag 60
agagatgaga gcgggttggtg gccaaaggctc ctgaaaaagg acatgtgttc ttgaagggtg 120
actggacaaa tggtaggatg aggatggcga agatgttgaa tgtagtatt tcacttctgc 180
ttgattatgt tttttcttat gcgcttgaca aatctagata tgcaaccaga catgctttat 240
tcttgttcct attttgtttt ccttatgtat taattcetta acttgtaatg cacatgatat 300
tttccttatg tattaatttc ttaac 325

<210> 26180
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H6

 <400> 26180

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 aaaacaaatt gttgggttaca ctctgtacta ctgcgtcatg atattgtcgg ctttcgcttt 180
 gtggccttttg gaggaaaact ggagatgtgg cagctttggc tttatggttc ttggaggaaac 240
 agccagagtg catgagtcaa agcgctatat tctctgtagt gaagtgaagc acgcacgcac 300
 gttgcttttc cttcactcca tcggccacca agttattaat gcattgcatg ccagctggcc 360
 catctgattc ctagcgacag gaacatcatt aagcaactag tactagaagt atgtagggtt 420
 atgtcgatga tgt 433

<210> 26181
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H7

 <400> 26181

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 taatgaagga tgaaccacag gttggtggaa tttatgttag actttttctt aaggacccca 120
 aatttccact gagaaacctt aaaagattcc ttgaagggct cctagatcaa tatgtctcct 180
 ctggtgctgc tacgcattat gaagcaattg ctacagaccc agagcttcct ttactactgt 240
 ctgcggcatt ggtttcctta ctacgagttc atccagcact tgctgaccat gttggctacc 300
 tcggttatgt tccaaagctt gttgcggcta tggcttatga gggaagaagg gagactatgg 360
 catcctggca ggctaccagt gcatcgaatg cagaacctag cgaacattga cac 413

<210> 26182
 <211> 447
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-H8

<400> 26182

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gacctcatca acaaattggca gcaggtggcg ccgtccctcc ccgatgacct catgatccgg 120
atcatggcca tggagcagga tgccatgttc gaggcctgt acctgggcac gtgcaaggac 180
ctcctccgcg tgatggccag ccgcttcccg gagctgggcg tcaaacagga ggactgcaac 240
gagatgccgt ggatccagtc cgtggccttc atccccatgg gcaagtcgga caccgtgatg 300
gacctcctca accggacgtt caacatcaag gccttcggca agtacaagtc tgactacgtg 360
aaggacccca tcccgagggg cgtgtgggag aagatctaca cctggctcgc caagcccggt 420
gccgngtca tgatcatgga ccctac 447

<210> 26183
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A1

<400> 26183

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcca cgcgtccggt ggatgcatac 60
actcgttaaa tctctcact tcttctccg atggtttcag ttctgctttt ccctctcgcc 120
cgccctagat ccgctgggat ctgagtctct gtttgatgct gctttccaag ccccgccata 180
gatccgctgg gatatgagtc tctgtttgat gctgttttcc aagcctgagg agttccggcc 240
ggagtggttc ataggcgagg agaagagcgt ggacgcaacc gtcggcgga aggcgaggag 300
aagagcatgg acgccacgcg acgtcataca atcgattat tgtttggttg gtactctaaa 360
gacgcctctt gttctaattt attgcctgca gaatcatatg ctaaattaga aacagacgct 420
tcgtttcttc ctaaatagaa atactaattt actgggtt 458

<210> 26184
<211> 127
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A11

<400> 26184

aaacacactg aaccaataa tcgatccca cataaacttt tctctttgtc cgttcgatcg 60
atcgctgccg agtcgtatgt catacaccat catcacccat aaccattgtc tgcaacctgt 120
cttatttt 127

<210> 26185

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A12

<400> 26185

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ctgatata ggtgatttct ttttttcttt ttttgtgtgt gtggtttgat atcaacatcc 120
agtagctagc tagcaaacca agcactccga cccatttgca tgcctgcatg tattgacctg 180
agcacctggg actgctgtgt gatgccatta gaaaagcaag caagagagct tgctagctag 240
ctacagctca agtgatcagg ggccaagagc acaaggcgtg cagctgatta attaagcaag 300
tttcatccc 309

<210> 26186

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A3

<400> 26186

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gctcggcatg tcttatcggt gtgctgcaca tctatggctt cgagagcttc acggtgaaca 120
gattcgtaca attctgcatt aactatacta ttgagacact gcatcgacag ttgactcatc 180
acgtgttcaa cacggtacac gacgagtacc ctggacagca aactgattga aggcatattc 240
agcgtgggtga caatcgagat gctcttgacc ttatggagtg gtaacctcgt ggtgggtatcg 300
tacttcttga tgaagcatgt atgctgcaca ctgccactga cgagacatgc gtgctgaaag 360

tctaccatag ttttgaaaag cacaagctgc ttgtgaagcc ccagctatct cgtgacgact 420
gtacaatctg tcactacgcc 440

<210> 26187
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A4

<400> 26187

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tggccttggg gtccccgaag tcgtcgacgg tgcagctcga tccgcctcgt cgagcatgtc 120
gaggaggggtc ccttgcaaatt tcttcttgca tggagcttgc ttcaaaggag attactgtga 180
attctcccat gactgcaatg atcaaccaga taatgtttgc actttctacc agaaagggac 240
gtgcaccttt ggtagccgtt gcagaaatga acatgttgaa gttcattgta actgccccca 300
accagcaacc actgtagcgc gtgcacccct caattcttct cagctagtgtg cttcttccag 360
agatcccat tgcagcgaat gccaaacggg attatgtgac caaacacagc agatttgcaa 420
gtcaacagca gcactt 436

<210> 26188
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A5

<400> 26188

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gcccgaagg cgccagggc gtggcggtgc ggctgttcgg gaccaagacg cagatctaca 120
actgcacat cgacggcgga caggacacgc tgtacgacca caagggcctg cactacttca 180
agggctgcct catccggggc agcgtcgact tcatcttcgg cttcggccgc agcttctacg 240
aggactgcc catcgagtcg gtgggtcaagg aggtggcggt gctgacggcg cagcagcggt 300
ccaagtccat cgagggcgcc atcgacacgc gcttctcgtt caagaactgc agcatcggcg 360
gggtcaagg cgacagatc tacctgggac gcgcctgggg ggactcctcc cgggtggtct 420

actcgtacac gaagat

436

<210> 26189

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-A6

<400> 26189

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ccttgtcgga caactcaact tcacaggccc ttgcaagggc gacgtgacca tccagggtgga 120

tggcaatctg ctggcgacca cggacctaag ccagtacaag gaccatggta attggatcga 180

gattctacgc gtggataacc tggtcatac cggcaaggga aaccttgacg ggcagggccc 240

agccgtgtgg agcaagaact cctgcaccaa gaagtacgac tgcaagatcc ttcccaactc 300

gctggtgatg gacttcgtga acaacggnga ggtgtccggg gtcacgctgc tcaactncaa 360

gttcttncac atgaacatgt accggttgca ggacatgcta atcaaggacg tgaccgtga 419

<210> 26190

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A7

<400> 26190

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tgttttattt tttttttttt tttttttttt tttttttttt tttttttttt ttttttttta 120

ttattttttt tttttatttc tttttttatt tttttttata attttatttt ttttttaaaa 180

aaacataatt atataatttt attattataa aaattattac tttaaaattt atttacaaaa 240

aattattatt ttttttatct tttttaataa aaatctttta ttaatatattt attttttatt 300

aaattaaatt attattataa ttcatttaaat tttaaatgta tcctttaaca tattttattat 360

tttt 364

<210> 26191

<211> 453

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-A9

<400> 26191

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ccctccctct tcgtcccca gcgacgcagg caggcgcgcg cgcggccatg aaggggggcg  120
gtgccatgag gccgtgcctt atgttctacg tccacgaggc ggacgtcgtc cagatccacc  180
acttcctcga ggagtgtctc ctctgcgcca aatcgctctc cggcgacatc ttcattgtaca  240
ggggtgacac gccgttctgc agcgaggagt gcagggagca gcagatcgag gtggacaggg  300
cgaagcaccg gcggaagaag cgcgcggcgg cgcacgcgct gtccgcacgc agcagggagc  360
accggcacca gcagcagctg cagcagcacc accaccagca gcagcaaccg cagccgcgga  420
atgccggcat ggacacccgn caccctggg tcg                                     453

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<210> 26192
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-H12

<400> 26192

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gagcgtgtct tcccttgaaa acggtcgtgg aacagacctg tggaaaaaat tgggatgaac  120
ttgccactta tttcgttggt gttgttcttc tttgggtcttc gcgcggtggt ttctacctgc  180
caaagacgaa taattcccgg ctggggcccc tccagtcac tccacccatg cttttgtgtc  240
angcggagcg gaggtagagc atagggagtg aataaccgct accttatttc atttctatga  300
tgtatctatc taatntgggt cttccctgat aatgcacgac ccgtagtggt aacaagcgt   359

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<210> 26193
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F7

<400> 26193

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gggatcaagc tggagccggt catggcgccg acgtcgtccc tgccgcggag cgccagcgag 120

ctacccgacc cgccgtcacc gttcagctcc aacacggcgc accaccccggt ctccgtgccc 180

accacaccta ggttgtcctt atcgtgctcg tcgttcggcc acatggtgac cccgcccacc 240

gacacaccgg cgatcacgcc caccaagaag caggacgaca agccgaagcc gacgccggat 300

gccgtcaccg cggcgaacta cgcgtcgggtg tggtcgccc aacgcctaata gc 352

<210> 26194

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-F8

<400> 26194

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ccacggttgg tgtcctgctt gttatggaga ccctgagtg attccttcac gcactgaggc 180

ttcactgggt ggagttccag aacaagttct atgaaggatg tggttacaag ttcgccccat 240

tctcctttgc gctgattcgt gaggaagaag attgagatcg tcccatgtag ccgatgtaca 300

atctttgatg gcctttgttc ccggaacaaa tcattttttc atctgttggtc tcggatggat 360

cataaacctc agtccccttt gtttagacat gggacgaaca gcaccattta tccttgggta 420

gctatgcaga tgatttttgg gtcgggtggc ggcaaacatg ggggtgatat caccattgta 480

tgatgct 487

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<211> 390

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-F9

<400> 26195

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 ggagctggac gagcaggcct tcctggagga gatcctctcc ctgcggaggg acgcctggga 180
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 tcaccaccag gcgcccaccg tcagcgtcct cccaccttc accgntcgtc acgcccagcc 300
 gcagccgcaa ccggcggcgg cgcccggctt cgactgcctc agcgaggtct actgcgccga 360
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<210> 26196

<211> 133

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G1

<400> 26196

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 ggactgggcg agcttgccga tagtctcggc ttcctgacct gctcttttcg agcggttggc 120
 catccactac atc 133

<210> 26197

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G10

<400> 26197

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 atctgaaaac aagattaata atcacataaa aagaaagtgg aacaccgaac ccaacgcaag 180
 cacaatcaa gaaagaaaca aaggaacttt gacagccacg cccatgcggc aactgcgccg 240
 atcgagctcc ggtcgacgtt gtcccacggt cgtatgtaga tatagtagta cggccggtaa 300
 cgctgcgtgg tgagggtgagt ggcctatagg catggatgtg gaacatcacc cgtgtgcggg 360
 atcagttgcg cttgcgccct tgctgctggg cttcttctcg ctgtatgcgg agttcatgct 420

gaagctgctg agagt

435

<210> 26198

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G11

<400> 26198

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acggctacga ctcttcaagc cgccagtctc cagcatcagc accataggac ttggtctgga 360
gatcctgcac aggagcaaac tcggcaaca 389

<210> 26199

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G12

<400> 26199

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ctatgtacca aagggtgttg gtaaattgaa gcatctcaat catctagatg gtctaatacat 180
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actaaggcac cttcatatag agagtttgga tagggctact tccggtgcgt ctgcactcgc 300
aaacaagcca ttcctagagg atctgtacct ctctgagcaa gcaccagcaa tagaaaatca 360
ggaagatctg gaagacaaag atgaaacaga aaaagaagag aaggaaggac aggaaagaag 420
caatggccaa tgcagaggag atgagtcaac caaagctagt gaaaagat 468

<210> 26200

<211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G2

 <400> 26200

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 cgtagttgag ccatacaaca gtgtactgtc caccactcc ctcctcgagc aactgatgt 180
 ggctatactg ctggacaatg aggccatcta cgacatctgc cgccgatccc ttgacattga 240
 gcgccccacc tacaccaacc tcaacaggct tgtgttccag gtcattctcat cccttactga 300
 ctccctgagg ttcgatgggt ctctgaacgt ggatgttaac gagttccaga ccaacctggt 360
 accctaccgg aggatccact tcatgctttc ttcgtaacgcc tcagtcatt 408

<210> 26201
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G3

 <400> 26201

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 aagacaagaa atgttgagaa tgatgttcga tctgattctg aaggagaaga cgaccatgaa 180
 gactgattgg cgtcaccatc ttagtttgca tattatgtcg gtgctagaag catcaccccc 240
 aataccgtcc ctgagcttat acattctttg gctggattcc aagaatacgt gcagattatg 300
 agaggacgag catt 314

<210> 26202
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G4

 <400> 26202

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 ttctgcagca gcgcctcaca aagaagagcg gcagcagttc ctgcattgct tgagatttgc 180
 agccaacgga cagcagatca accgtggccg taccgtgtgg aggaagctag ctagataaaa 240
 gtgttctttc gtcataaatg atctcctcca tttctctgct cacggctggc ggcccttgta 300
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 tttgtgacat ttct 374

<210> 26203
 <211> 397
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-G5
 <400> 26203

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 ggatggggcg gtgacaacac cggtgagtgg cgtggggcag ggagccggtg gcgagggcat 180
 atcatgggtgc agtgccctgga cggggtgagg cagctgctcg cggtcctgct caagtgtctgc 240
 gacgtcgagc tcaagcagcc gcccgggctc gaggaccctc aggttctcgc gagggagacc 300
 gtcttcagcg tgagcgaagt cgatgctctc tacgagctgt tcaagaagat aagcagtgtc 360
 gtcacgatg atgggctgat taacagggag gagtttc 397

<210> 26204
 <211> 144
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-G6
 <400> 26204

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 gcacgtataa aatacaatat gtacttggcg acatatacga tagataacca catgtggaat 120
 tgtatcttac attccaccaa atga 144

<210> 26205
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G7

<400> 26205

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gtgcggtggc gctgcccgtg aagcccgctt tgcagctgga ggaaaagggg gagctggaga 120
aggaggtgtg ggcgaggttc tacggcaccg gcttttggag gagcccgctg cagctggacg 180
acaacgacga caggtgatcg ggacaggccc gcgagcgagc tatccacaag ctccctccggc 240
gatgcgtggg ctcccttcgt tttccgcggg aagaagagag gatcgaggaa agggaaacat 300
gattgtgtgt tcgatactac gattacgaac ttcgatttcc cctctttttt tgttggtttg 360
gaaaggggaa atacttggtc ttctattcta caacaatggt acgtacatgc aatggtataa 420
ttaaaa 426
  
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<210> 26206
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-G8

<400> 26206

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gcatggggcg atgcggcaac atccccatct tcaaggatgg tctgggttgt gggtcctgct 180
tcgagatcaa gtgcgataag cctgtggagt gtcgaggcaa gcccggtgtg gtgcacatca 240
cggacatgaa ctatgagcct atcgcggcgt accacttcga tttagcaggc acggcgttcg 300
gcgccatggc caagaagggc gaggaggaga agctgcgcaa ggcgggcatc atcgacatgc 360
agttccgaag ggttaagtgc aagtacgact ccaaggtcac cttncacctt taaaaggggt 420
gcggncccaa ctaccttgcg ctgctggtca agtacgtc 458
  
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<210> 26207
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H1

 <400> 26207

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 gtactggggc actgagcacc ctgaggagcc tgtcgttact ctggagatgt gcatgactgg 120
 gctggacaag aagaaagctt ctgtcttggt caagaccact gctgatgggt actcgctgtg 180
 cgccaaggag atgaccaagc tctctgggtat ctcgacatc attccagaga tggagatctg 240
 tgacttcgac ttcgagccct gtggctactc catgaatgct gttcatggcc ctgctttgtc 300
 gaccattcat gtg 313

<210> 26208
 <211> 342
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H10

 <400> 26208

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 aatctaactg agccaatggc actgaaccct atgtctcgcg aacatcacta acatagctct 120
 tcgccacatc atatcatatc acctttgcta tcttggattc tgacttatac gcgtccagac 180
 ataatccgtc aactgaatc ttactccac tttatcacca accaatctct attaccaaatt 240
 ttgtcaatca acatctccac taatactatg aacaattact atcgctgtcc ttttatcact 300
 aactaaaaac taacctttct caccacatc taacccaac tc 342

<210> 26209
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H11

 <400> 26209

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agtagcattt ctggtaggcg gtgcctggtg tggctctccc aagggtcccc cgggtaagaa 120
catcacggcc aaatatggta gtgattggct agatgccaag gcgacatggt atggcaagcc 180
gacaggtgct ggccccgacg acaatggtgg cggctgcggg tacaaggacg tgaataaggc 240
ccctttcaac agcatgggcg cgtgtggcaa cgtecccatc ttcaaggacg gtctaggttg 300
tggatcctgc ttcgagatca agtgcgacaa gccagcagag tgctctggca agcccgtggt 360
ggtgtacatt acggacatga actacg 386

<210> 26210
<211> 468
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-F6
<400> 26210

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tacgttcccc gttctattgc taccgcgggt cttatgcaat cgatcggatc atatagatat 120
cccttcaaca caacataggt catcgaaagg atctcggacg actcaccaaa gcacgaaagc 180
cagttagaaa atggattcct atttgaagag tgcctaaccg catggataag ctacacattaa 240
cccgtcaatt ttggatccaa ttcgggattt ttcttgtgaa gtttcgggaa gaaattggaa 300
taatatcgat tcatacagag gaaaaagtgc tctattgatg catacgtctg acctagagga 360
tagggataga ggaagaagga taaatcgaaa tgaaatanat aaagaataaa gcccaaaaaa 420
taagtccaag atagaagagc ccagaatcaa aatgaagaaa tggaaact 468

<210> 26211
<211> 468
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-E11
<400> 26211

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tgaacccgcg ccgcaaccgc ctccgcgcgc tccacatgaa cgccgtctcc tcgcgcctca 120

ggaaatacgg gctgaggtac gatgacctgt acgacccta tttcgacctg gacatcaagg 180
 aggcgctcgg gaggtgcct agggaggtgg tgcacgcccg catccagcgc ctcaagcgcg 240
 ccatggacct ctccatgaag catcagtacc tccccgagga cctccaggca cagcaggtcc 300
 cattcagagg atatttgagt gacatggttg ctctggtgaa aaaggaaagc gctgagcgtg 360
 aagcactggg agcccttcca ctttaccaga gaacgcttcc ctaaattgct ggctaaacat 420
 ggctgcaagt cttctcttta cgccaaatca gaatgcatgc aataaaat 468

<210> 26212

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E12

<400> 26212

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 tgaaggaaaa gggctccgac acgtacgagc ccctcaagca ctctggggc gccatctgga 120
 ggaaggacag cgacaaaccg cttaagggac ccctcaccgt cgcctcact accgagggag 180
 gcaccaagac cgtctacgac gatgtcatcc ctgccaaactg gaaggccaac accgcctaca 240
 ccgccaaata attaaacttta gtgctgacaa tactttaagt cggcctatgc tagctatact 300
 agattggggt ggatcccaag caatgcatta cacatgcatg cattggaccg tgatatctat 360
 ttgctaccac taccctatta cgacagtgat gctggcgcca acaataatgg cgatcatcctn 420
 cttctncatc ttctccatct ccatatatag ctagagttag 460

<210> 26213

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E2

<400> 26213

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 tactgtgac aagcaaggag acgacacttg aattctctac agtttggcat aggtcgggag 120
 agacactctc gaccggccac accatgtaac aaactaacct tcttcgttgt ctcccattat 180

tttcctccac ggagttcttc tgatgaaaca acatgttcta attgggctt 229

<210> 26214
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E3

<400> 26214

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agtgtgacca tctcgggtgat cacgtcgtgc tgcaccttcg gcttgccgtg gctgacggcg 120
tgcaccccoct gcccgccgga gctcgccagt aagtgccga ccatcgggcg ctccggcaat 180
ttcaagaact tccagtgccg gccggggcag tacaacgcgc tggcgctcct cttcttcaac 240
accaacgacg acgccatccg caacctcttc agcgccgggt acgacaggga gttcggcggtg 300
ttcacgctcc tcaccttctt caccacggtg tacacc 336

<210> 26215
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E5

<400> 26215

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cgtcgggatg gggcctggga cgtggtcgcc ggagatgagg aagacgtaca acctactgga 120
cacggtgagc cggcacacga tccaggtgta cccgcggtca tggacggcga tcatgctgac 180
attcgacaac gcgggcatgt ggagcgctccg gtccaacgtc tgggagcggt actacctcgg 240
ggagcagttc tacatcagcg tcatctcgcc ggcgcgggtc ctgcgcgacg agtacaacat 300
gcccgacaac gccctccgct gcggcaagggt cgtggggct 339

<210> 26216
<211> 368
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E7

<400> 26216

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aggccgtcga cgaagccgct cccgggatca tgaggttcgt ggtgacacca ccagctaacg 120
cttcgtgggg tagcggccag cattcgggtc tgccaagcca cgacggcagg gcgtcgcagt 180
ccggcgtgcc gcggtggccg cggacggtgt tcctggtggg cgccatgtcg tgcctggcca 240
tcagcgcgac ggcccacctg ctggcgtgcc actcgcggcg cgccagcgtg gtgttctggc 300
agctcgacta cgcgggcacg tncgtgatga tcgtcggtt ctttcgtgcc gccggtgtac 360
tacgcttt 368

<210> 26217

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E8

<400> 26217

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cgcacccctc cctcatggc gtcacggcg gcgcgatccc tcgcgctcgt cgcgtctgcc 120
toggcatcgc tcggcgctcg gcagcggtcg tgggctcgtc tggtgtctc ttcctcttcg 180
gctgggtcgg cctcccca gctccgcggg ctccgctcgt tcgccgctc cgcagggggc 240
gccgtgatgg ggaagccagg ccccggggtc gttgacgccg acgccgggat ggacgccgtc 300
cagcggcggc tcatgtttga ggacgagtgc attttagtgg atgaacaaga caatgtcatc 360
ggccacgagt ccaagtataa ctgccatctc atggagaaga tagaagctgg aaatgccctg 420
cacagagctn tcagtggttt ctttttcaac tccaaatatg agttgctact gcagc 475

<210> 26218

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E9

<400> 26218

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 gcgcaactct cttttttctt gtgataacag atcaataaca tatcatacct tccaattgca 180
 tagctgaatc gaaacatgtc gcgtaggata gttcggctag gccggagacc tgctgttggg 240
 gacttgttct caaatgctat gagttaagaa caaggcaaca caaaaatgtt aatggttaaa 300
 gtccttcgtc cttcgaagca ttatctccct taggatataa tgatcttcag acgaaggtca 360
 tgaaggatgt accttcatca tcacagtata t 391

<210> 26219
 <211> 300
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F1
 <400> 26219

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 gcctggggcgc gcggatcctg caggccggcg gtgtggagcg cgtgttccgc caggccttct 180
 ccgtcgccga caaggcgag cggctgctca aggcgctgca gtgctacatc tacaccacgg 240
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<210> 26220
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F10
 <400> 26220

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 gggtagctga agctgcagaa gcggctcgcc gcgagcgtcc tcaagtgtgg gaaaggcaaa 120
 gtctggcttg accccaatga agtcagcgag atctccatgg ctaactcccg ccagaacatc 180
 cggaatttg ttaaggatgg gtttatcatc aggaagcctc agaaggttca ctctaggtcc 240
 cgtgcaagaa gggcacatga ggccaagcag aagggaaggc actctggata cggcaagcgc 300

aggggtacca gggaagctag gctccccacc aagattctgt ggatgaggaa gatgcgtgtt 360
 ctgaagcgcc tgctccgcaa gtaccgtgag gccagaaga ttgacaagca catgtatcat 420
 gacatgtaca tgaagggtcaa gggtaatat 449

<210> 26221
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F11
 <400> 26221

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 ggcgccttcg gcaatggcaa gacagacagc acgaacgctg ttcaggaggc atgggcatcg 180
 gcgtgcggcg gcaactggaa gcagacaatc ctcatacca aggggtgacta ccttgctcga 240
 caactcaact tcacacgccc ttgcaagggc gacgtgacca tccatgtgga tggcaatctg 300
 ctggcgacca cggacctaaa gcagtacaag gaccatggga attggatcga gattctacgt 360
 gtggataacc tgggtca 376

<210> 26222
 <211> 326
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F2
 <400> 26222

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 agagaacagg ggcaaaggaa accacgacac tgtaattgag gttcagcttc agttgtctgc 180
 tttcaagata tttcttgatc ttgctgataa tgagcttacc gggaaggatt ttacggaggc 240
 ttttgatgct gcatgcttcc ctcttacact cttttcaacc accttcgacc aaggatgggc 300
 atcaagaata tcagcagctg cagtac 326

<210> 26223
 <211> 268
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F3

 <400> 26223

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 tcagcaactc gtgggcggag actgctcgcg gtgtctccga gtcaccgta ccgtcgttcc 180
 tggaccgaag cgttctaaat gctctcgacc cgtccgtgcc caccttacc caccacgagt 240
 tcgcctagat ccccgacgtc ttcgacac 268

<210> 26224
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F5

 <400> 26224

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 ggacgacccc gcctgcacca agatgtgcaa ccaggcgtgc ggcagcaccg acaagggcgc 180
 cgtcgccggc gcgcgggctt gatcgacccg ggcttcatcg gcgcgcgggc tcagctcgat 240
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 cccggcccat tgaatcttct acttctacta tagtatatct ttgttgagg tctttcgtct 360
 catacatga tccactcatc tttttttaa tcctaccatt aagtgagatg acctatataa 420
 atatatatat atgcatgatt cagtttttt 449

<210> 26225
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-E10

 <400> 26225

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cggcatcgct cggcgtcggg cagcggtcgt gggctcgtt ggctgtctct tcctcttcgg 180
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ccgtgatggg gaagccaggc cccggggtcg ttgacgccga cgcgggatg gacgccgtcc 300
agcggcggct catgtttgaa gacgagtga ttttagtgga tgaacaagac aatgtcatcg 360
gccacgagtc caagtataac tgccatctca tggagaagat agaagctgga aatgccctgc 420
acagagcttt cagtggtttc cttttcaact ccaaatatga g 461

<210> 26226

<211> 222

<212> DNA

<213> Zea mays

<223> . Clone ID: LIB3066-042-Q1-K1-C4

<400> 26226

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gggcgagcga ccgtgccatg catgcagcgc gctgacgagg cgttcggcac ggctccgac 120
cgctccgct ccaccaaccg aggattaggc gtcgtcgtcc tgtgccacag gcgccacgcc 180
cagatcgtgt accggctatt ggtgcgcgcg cgcgctcatg gc 222

<210> 26227

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C5

<400> 26227

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ggccgtcgtc gcgctgcgga tctgaccggc cgggacggta cgggacggaa cggaagccta 180
cgatcgactg tacatacagg ggttgggact tgttgggttt tcctttgggt ggagagcgag 240
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atgagattgt attgtgacca agccgtgagg gaaagcatgg aggtgaggac aaagaagttt 360
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<210> 26228
 <211> 394
 <212> DNA
 <213> Zea mays
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 <400> 26228

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 cggccgaggg cgagtgcgag cagacctacg gcttctctcc ctgcaccacc accgtgctcg 300
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 cggcgggcaa cgagctgctg ctagagatca tggg 394

<210> 26229
 <211> 398
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-C7
 <400> 26229

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 cccccaggca agaacatcac ggccacctat ggcaaggact ggttggacgc taaagcgaca 180
 tggatatggca agccgacggg tgccggtccc gacgacaacg gtggcggctg cgggtacaag 240
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 gatgggtctgn gttgtgggtc ctgcttcgag atcaagtgcg ataagcctgt ggagtgtctc 360
 ggcaagcccc tgggtggtgca catcacggac atgaacta 398

<210> 26230
 <211> 453
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C8

 <400> 26230

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 acgagctgga ccacgtcgtg ccagccaacg aagtgacaac gctgcttgag aagcatgagg 180
 tgcggcggat ccccggggtg ggcctccttt actcggacct ggtccaaggc atcacccccg 240
 tgtttccacg tctggtgcag aggataccct ccgtgcacgc ggtcttcttg ttcattgtcca 300
 tcaagcacct gccgatccca cacgtggccc ctgtggagcg gttcctcttc cggcagggtcg 360
 gcccgagggg gcaccggatg ttccggtgtg tggcgaggta tgggtactgt gacaagctag 420
 aggagtcggg gctggtaaaa ggttcctcat gga 453

<210> 26231
 <211> 70
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C9

 <400> 26231

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 tattgcttct 70

<210> 26232
 <211> 344
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-D1

 <400> 26232

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 gcagagcggg cccaccatca tcgagctcac cgaccccggc gagcgcttct acttctgtgg 120

cgtcggcgag cactgcgagg ccggccagaa gctcgccatc aacgtgctcc tcgtcccgcc 180
gccgcccggc gacacggacg acgactgctc cagcgccgcc cgtctcccgg gccacgcggg 240
cgcggggctc gccgtcgtct gcatgtgcct cgtgtccgcg ctgctgacaa tggcgggtgtg 300
aatcggcacg ctgccgccgt agattattgg cgattgctgg ctga 344

<210> 26233
<211> 438
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-D10
<400> 26233

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tgcgttcttt ccgccatgga ggctcggagg aagcccgcgg tgtgctgtgc ccttcttgtg 120
ctgctcatcg tcgcctccag cgcaacgggtg tcgactgctc atgacgagag ctgctggaag 180
gacgacgacc accaccctat ctgctttccc gaagactgcg tggcgacctg ccaggatcac 240
ggccacgcgg acggccgctg caactgggca tggctcgtgga ggccgtattg ccagtgcctg 300
ttggcggact gccaataggc gcgaacagct gcgtcgcgat gcgtcctggc tgccctcgccg 360
gccgatgaag gatgaacggt tgcngccgat gatcgatgtg tccgtcggca tgcgatcac 420
tcattganac cccctcta 438

<210> 26234
<211> 468
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-D11
<400> 26234

acggccactg cttgcgtctc tgtctctctg tctgctcgtg tttctgcttc tgcgactcgt 60
aggaggggtga ggtcttgctt gcctcgcgga atggcgggcg ccggggcatg gctggcccgt 120
gcgacggcga ctgcgggtgt gggtttctgc ctggcggtgg cgtcagctga ggcgggcatcg 180
ggggacgtgg agatggtttt cctcaaggcc gcggtggcca aaggcgcagt gtgcttggac 240

ggcagccac cggtgtacca tttctctccc ggctccggtt ctggcgccaa taactgggtc 300
gtccacatgg agggaggaag gtggtgcagg aatcctgatg agtgtgcggt ccgcaagggc 360
aacttcaggg gtcctccaa attcatgaag ccactctcga tttcacggat attaggcggc 420
aaccaanaat ccaatcctga tttctacaac tggaatagag taaagatc 468

<210> 26235
<211> 462
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-D12
<400> 26235

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cgttcggcgg cactggcgcg tacggcccggt caggggcagg cagcacggac tacaacgacg 120
ccgtcgcccc gcgcgccgcc gggctgcacg tgggtggctgc cctcgctctc gccgtcgccg 180
tcgccgcacc tctccaccgc taggggcgggt gccatggcaa ctgggagctg gcgggcacga 240
cactcgcaga cgggatcccc cctcggcggc ccgccagcgc gggctctggt cgatgtccgg 300
cgttagtgcg tgcgcgtacc tgatgaagtg atgatgggtt ttgatcgacc agccgtcagc 360
gtagtgcggt cacgggggtt acagtgttat tcgaactgac ctctctgctt cctcgtgcta 420
gtagtggtgg ctggcatgtg tgtgtgctgc tggtagagaa ct 462

<210> 26236
<211> 373
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-D2
<400> 26236

caacgagtgg gtaaagccca agccaggaac ctacgttaca aggctcacc gcttctccgg 60
cgacactgtc ctgctgcacg ggcaagccgt gctgaaggcc ggtgggcatc aggctgcttc 120
ttctagctca tggcctggcc atgccaggtc gcgctggctg cgtttcattt catggaagaa 180
agcaaggatg gatcacaggt tgcgttctg ctaattaatc tacatacgtt tgccttcaag 240
tactgtgttg tggcattgtt acacatcaca gtacagtttg gtcaaatttt tttccacag 300

aggaagtang gattgatnta atcattgatt taatcccaca cgcgtgtatc tacgtataca 360
gtntgtataa cat 373

<210> 26237
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D3

<400> 26237

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gccacgatcc ctccaaggcg gacaagggat tccacggagg agggtagccg gccgccgccg 120
gtggatacta cggcggccag tccccggcg gcggctaccc tgctccaccg ggcggcggtg 180
cgtaccctcc cggccctggg taccgggtac cacctgggtg gtaccgcct ccgggtggct 240
accctcagcc tggcggatac ccgccgtcgc acggtgcgta cccggcgcct ggtgcaagcg 300
cgtattcttc cagcg 315

<210> 26238
<211> 266
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D4

<400> 26238

actagttcta gttccgtcgt gctggacctt gtcagagggt gtattttgag tcagaagaag 60
cgaaagcttg cattgtaacc tgtggaggcc tttgccctgg gctcaatact gtcacagag 120
agttggtttg tggcttgtcc cacatgtaca acgtagcaa tgtcttcgga atacataatg 180
ggtacaaggg gttctattcg agcaattatc ttcccatgac accaaagagt gtgaatgata 240
tccacaaaacg aggtggtaca gttctt 266

<210> 26239
<211> 214
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D6

<400> 26239

aaatgagtga agggtagatg ctgatctgaa aaatatgtgt gttccccctt ctttgcttcc 60
atgtcgtgtt gtttcaggta accgtcacao tatatatagg tggccccctt tggaatccgg 120
ggattattcc gtttgctgta ttttttctg tgaaaatgaa ctgattcctg tcaaaaaata 180
aaataaatta attttaataa aaaataataa ataa 214

<210> 26240

<211> 269

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D7

<400> 26240

ccacatccaa gtgaggaaag ttcaggtctg atgtgccggg gggaattggt cgtctgagaa 60
attttgatag cgccgcctga tgtgttatca tcattatatg tgtaatttta ctgttttacc 120
aggagattgc tacgtcgagt tatatgttgt gtcgaattca cgtgtaggct ctgaatcttg 180
actgtgttcg ttcattttcg cttgtttcac actgaagtgt tataagctca actttactgc 240
tttaaaaaaa aaaataaaaa taatataat 269

<210> 26241

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D8

<400> 26241

caccacctct gctgaacgag aaattgtaag agacatcaag gaaaagcttg catatgtggc 60
gcttgaatac gaccaggagc tcgagaatgc caagagcagc tcactctgtg agaagagcta 120
cgagctgcct gatggtcagg tgatcaccat tggggcagag aggttcagat gccctgaggt 180
cctcttccag ccttccttca ttgggtatgga agctcctggc atccatgaga ccacctacaa 240
ctccatcatg aagtgcgatg tcgacatcag gaaggacttg tatggtaaca ttgtgctcag 300
tggtggcacg accatgttcc ctggtattgc ggaccgtatg agcaaggaga tcaactgcct 360
tgcgccgaac agcatgaaaa tcaaagtggg ggca 394

<210> 26242
 <211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-D9

 <400> 26242

cggacgcgtg ggcggacgcg tgggaggacg cgtgggagcg agcaccggcg gtcgggagac 60
 ggtggcgcca tgggtggctg ccaactccgcc atcgcgcca ccaagctgaa gattctgcgc 120
 cgcgagggcc ggggtgccgc tgccgtcctc cccgtcacca accacgacgg cccgtgctgc 180
 tcctccgacc acggcagcaa ggagaagaag aagaaaaaga agggcgccag gaaggcgagg 240
 aaacgcgcct ccatcctggg cgacgcggcg accttcgacc cggacttctc gcggcggtac 300
 cggctcggcg cggagctcgg gcgcggcgag ttcggcgctca cgaggcggtg cgaggacgcc 360
 gtcacggggg aggccctggc gtgcaagacg atccggcgga agcggctgct cctgcgcctc 420
 gccggggccc acgcgaccga cgtgcagcgc gaggtggaga tcacgcggc 469

<210> 26243
 <211> 250
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-E1

 <400> 26243

ctgtggttca aggaacacag atttatgcct gcatgtatcg cttccaaatc gatatgtcga 60
 ggtacggaat cttgtagagg ctccatgatg catacatgca aattcccga ttccaagccg 120
 cgcttttctaa aaatcaacca gactcacctt catgataaac atcaatatta tctcaatcat 180
 tctcatgtca ttttgcaata atttgtatag ggagccactg ctttctttat accgttgttt 240
 atcaaaaggg 250

<210> 26244
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C3

<400> 26244

cacgtacgtt gaacaaacac ccaaggcctg acgagacgag atccggacct cgcctctccc 60
gactagggcg cgcgcgcgac ctccggcaccg ggcggcctcga tccatcggtc tctcggtacc 120
ccgccagtgc atgccctgga acggacggac ggaatggcag cgtcgccgga ccacctcttc 180
ggcctgcgca acagcttcta cgtcggcgca taccacgccg tcatcaccag cagccagtcc 240
ctccccgcgc acgcgctctc ccccgacgac ctcgtcgagc gcgacgccct catgtaccgc 300
tcctacatcg ccacggtctc ctaccagctg gtgatcgggc agatcgggcc cagcgc 356

<210> 26245

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B1

<400> 26245

tgctcggcgt gctgcaacgg cttccgattt gcccggttag atgaaagacg gctggggagc 60
gtcttctctg gggaacaccg cgcgtcatgg gtgccttgcc gaagttcagg gacggcgtga 120
ttgctcatcg tcgttcatgc tccaccgtgg cgcacccat ctccgtgggc agtgggctgc 180
atcgtccaat cgaccgcgcg aggacacgtg tcatctgaaa agcaagttgg tacctgaaat 240
ctcaagtgcc aggtcaagat caggctactg aggatgaggc gcatgggtga tgctgtgatg 300
agttcgtgag tggcttaggc cgtcgtctcc cagtcaactt tggtttgctg gaccgttgct 360
tccttataat gtaattatct atttt 385

<210> 26246

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B10

<400> 26246

cccacgcgtc cggcaatctt cttttgaatg caaggcttca agtcacggtg aagaacattt 60
gctgaatgta tataacttcaa gccacgaaga atttgataaa gaaaatactg acagtgtctc 120
tctgacaaag cttgatttga acgaataatt tgatgcagat cagtatccat caattcatat 180

gcaatataca catcattgaa tgcagccctc tgcgcaggag gtatgatatc cttatttgca 240
tatgaattga tggatactga cagtgtcctc ctgacaaagc ttgatttgaa cgaataattt 300
gatgcagatc agtatccatc aattcatatg caatatacac atcattgaat gcaagcctct 360
gcgcaggagg tatgatatcc cttattgcaa caatattctc gtgggtccatg tggcggagca 420
acttgatctc gccgaacgtg 440

<210> 26247

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B11

<400> 26247

tgcaagggag ctcatggca tgcttttagat tatcgatggg gacaattatc cagaggccct 60
gggccgcatg tacatcatca atgcaggcca cggataccgg cttctatggg acagcgtcta 120
gagcaacctt gacccaaaga cactgcaaa gattcatgtt ctgggtaaca agtatcatag 180
caagcttctc gaggtgattg atgctagtga gttgccagaa attttaggtg gaacctgcca 240
atgtgaatgt ggggtgcatga aggttttcaa aggcctttgc aatgaccccg aaatcatgac 300
gatggagcac agtggagatg ggaggtgttg atcactc 337

<210> 26248

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B2

<400> 26248

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 60
cggacgcggg gcggaagagg ggatttcgag ccgcggcgat cggggctaga gtggccctcg 120
acgcgtccgc ggggtggaatt gccgagaagc cgagagagag gggttggagc ggagttgcgg 180
gaggtgggag agaaggcggc gatggggcgc ctgttcctga tgcacctgga cggcaacgtc 240
tacagctgca agcactgtaa gaccacctc ggcgttggca gcgacatcat ctccaaggcc 300
ttccagtgca tgcacggcaa gggcgtacct ctttcataaa ggtgtcaacg tgacttctgg 360

agtaa

365

<210> 26249
<211> 392
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-B3

<400> 26249

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aggggatcgt cggagaggaa tcgcaaagag ggccgtctca tccgagttaa ggaagccatg 120
gagcacaagg aggctgggtg ccaggccccc gagggacca tcctctgcat caataactgt 180
ggcttcttcg gcagcgcggc gaccatgaac atgtgctcta agtgccacaa ggagatgata 240
acgaagcagg atcaggccaa gctggctgcc tncctatcgc acagcatcgt gaacggcagc 300
gacgccgtca tggagccggt tgttgctggc agcaacacgg tagtagctgt tgcccaagtc 360
gaggttgcaa caatgaacgt gcaacaaccc gc 392

<210> 26250
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B4

<400> 26250

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acggccagtc ggaactcggg caatggctca ccggaggagt ggcgtccgtc gcgggcccgcg 120
ttccatcgtg ggcgttcgtc tccgtgcccg aatccgtggt caagaacatg taccacatga 180
tgagacgcat ggaagatggt gcgatgtgtt cgtgagaggt ctaggccgtc gtctcccagt 240
caacttcggg ttgctggatc gttgtctcct ttcaatgtaa ttatttattt atcttgttca 300
aaactcctat tgcataataa agttgtgaca ttcgtttt 338

<210> 26251
<211> 478
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B5

<400> 26251

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gagaaggaca cgggtgtggtt tgtgcagttc tgcgtcccct ggtgtaaaca ctgcaagaac 120
cttggaaacac tatgggagga cctgggaaag gttatggaag gtgcggatga aattgagatt 180
gggcaagttg actgtggtgt cagcaaacca gtatgtctaa aggtcgatat aactcctac 240
ccaacattca aggtgtttta tgaaggcgaa gaagtagtaa aatataaagg acctaggaat 300
gtggaatcgc tgaagaactt cgtgttgaat gaagctgaaa aagcaagtga agcaaagctt 360
caagctgatt gaagcatggg agtttcagca agcatgtggc gtaaacaagg aacaatgctg 420
tgcaacattg tcttctatcc tgtcattaca aagccaattt acaggaaaga aatgatct 478

<210> 26252

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B7

<400> 26252

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tagagagaga tggcggccac ggtttcgtcc ttcccgggtg tgaacatgga gaagctggag 120
accgaggaga gggccacggc catggaggtc atccgcgacg gctgcgagaa ctggggcttc 180
ttcgagctgc tgaaccacgg catctcgac gagctgatgg acgaggtgga gcggtgacc 240
aaggcgact acgccacctt ccgggaggcc aagttccagg agttcgcggc ccggacgctg 300
gaggccggcg agaagggcgc cgacgtcaag gacgtggact gtgagagcac cttcttcgt 359

<210> 26253

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B8

<400> 26253

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 ggagaggagt cctacaagga cagcactctg atcatgcagc tcctgcgcga caacttgacc 120
 ctatggactt ccgacaccaa cgaggatggc ggcgacgaga tcaaggatgc tgctgccccg 180
 aaagaatctg cggaggggtca gtaagatgga ttcagtctca cgacctgctg ctgctgatgt 240
 tgaggagtga ccagaaccag aaccgtcgtc ctcgattctg atagattatc ttctagtata 300
 ccttgtgttg tcgttgctgt cggcgcgacg atcgtcgctg tcgtcgcgcc ggtgtatgcg 360
 atgaacctgc cattgctgct gtttaattaa gcattctaga tggatataccg catgctttgt 420
 ttcggtttct atgt 434

<210> 26254
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-B9
 <400> 26254

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 ctgctccctt tccgctttgc cgccaccac tgctgcggc cgccgcaggc acccatggc 120
 cccgaccggg cggctcctcg cggtagccgc cctctccttc ctatgtctgc aggggccgtg 180
 gggagattca ggcagcgcat ttgctcagag ccagccgccg cttcaccgga ccgttcgcgc 240
 agaggcaaat gacggcggcg gcctcatgcc ggagctcccg cccagcggcc tcatgccccat 300
 gccggagctc tcaccagcg gctctccac gccatttgtc cccttcctgg cgcccgctcc 360
 gctcgcgcca ttctttaaca acagcacgcc aaagctctca ggaaaatgca cgctgaactt 420
 taccgctgtc gacaaactca tgaccaccac agctgtcg 458

<210> 26255
 <211> 291
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-C1
 <400> 26255

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cgtgagatca gctggcaaga gatcctacgc gagctcatac gcaatggcag ccgctcagca 120
 ggatcctcaa cagcagcata aacccaacct gtatcccaac gagtctggcc aacgtgcaat 180
 gcctcgtgca acgtctgtgc atacctcatc ggatcgatga tcgtcccat tctcagacaa 240
 agtctgacac aacgcctgat gactgacctc atgaatgaac acttgcacga c 291

<210> 26256
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C10

 <400> 26256

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 gtgggcgcgc ggcggccatg acggctcgaa cgcggtagcc acggccccga cgtctccgt 120
 cccggcgcgt caccctgtgg tcgggcggcc cccggcctca acggctcgga ggcgcgactc 180
 cctgcgacgc gcggcctctt ggccccggcg gctcggggcgt gggtgccac ggcgcgcggc 240
 cccccggccc cggcggcacg ggcgcgactg cctgcgacgc gcggcccccc cgccccggc 300
 ggctcgggcg aaggccctcg acgcgcactg gtgaggcgcg gcagccttcc gcgcttgggc 360
 acggtggccg gccaggcggg ccacagccag cgcgggcgcg cagtcccgcg ggcttagagc 420
 ccgccccggt ttacacggg cacgacggcg ttgcccccg ggccc 465

<210> 26257
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-C11

 <400> 26257

caaaccctc atccccatga gaccttacga gttggagcaa ggctcagtgc ccgctgccc 60
 gggcgtgccg agcgatgcca tggaggcgcg cgtccctggg cgtcgtcacg tctcactcc 120
 ttgtccgact gcctgtcgcc ttgtctcgca ttgcaggctg tagacaacag acgagcagta 180
 gcagcatcac gaggcggccg ggccccggcc acgcatgcc ggagaaggag gcgcaagccg 240
 ccgcgttctg cggctaggca gtgatcgccg agttcgagtc cctcacgcgg gacgccgcct 300

tcgtgcagcg ctacacgctg cgccggatcc t

331

<210> 26258

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C12

<400> 26258

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cgcccttttc cgacattcac agggggggaca ggaaatcagc ggccatggcc tcgattccgg 120
cgacgacctt cgccgtcatc ttatccgtcc ttttctgtgc cgcggtggc accgccgtcg 180
acaacgacct ccccgactac gtcattccagg gccggtcta ctgcgacacc tgccgcgccg 240
ggttcgtgac caatgtcacc gagtacatcg cgggcgcca ggtgaagctg gaggcaagc 300
acttcggcac cggcaagctc gagcgctcca tcgacggggg gaccgacgcg aacggcacgt 360
acacgatcga gctcaaagac agccacgagg aagacatctg cgaggtggtc ttggtgg 417

<210> 26259

<211> 319

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-C2

<400> 26259

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ggtcttcacc tgccgaggca gcggcggtc acgtcacgt ctatcaccag cagcagcaag 120
aggagcagca gaatgggggc aagcacaaag gcagctgggc tcgaggacga gctggcacgg 180
cgaccaagct gcacatcacg gcgccgcaga gccccagtc ggctcccgcg ggcatggccg 240
gcggccactt cgacccgacc agcccccgcc cgtcgtcgtc gtcccagaag cagtgccctt 300
ncagcccccg cagcaggca 319

<210> 26260

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-A9

<400> 26260

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tgattgattt catgatgggc ggtgtttcag ctgctgtttc aaagactgct gctgctccca 120
tcgagcgtgt gaagctgctt attcagaacc aagatgagat gattaagtct ggtaggctat 180
cagagccgta caaggggtatt gttgactgct tcaaactgtac cattaaggat gaaggtttct 240
cttccttggtg gaggggtaac actgctaata ttattcggtt cttccctact caggctttga 300
actttgcatt taaggactac ttcaagaggt tgttcaactt caagaaggat agggatggct 360
attggaagtg gtttgctggc aacctggcct ctggtgggtg tgctgggtgct tcctcttntg 420
tttttggtga ctccctggac tacgcgagaa 450

<210> 26261
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G4

<400> 26261

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gatttgcaac ccaataatgg cagaagtcct atcaggatct catgaacacc gtctaagctc 120
tgccttagat ggacactacc acgagaagag gaaatccaat gtggaataca cagaggacga 180
gaagaaagcc gtgatcgcgg ctctgaaaaa gaaggctctg agcgcctcac agaagtttag 240
gcattccatg aagaggggga cgaagagcag caaggtgatg tccatctcga ttctggatga 300
gcgtgaacc 309

<210> 26262
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G5

<400> 26262

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 cctgctatgt ccagtatgct tgagaacttg accagtccag ctcataagga gcagcttgag 180
 gagaggatgg cccgtatcaa ggaagatcca tccttgaagc caattcttga tgagatagag 240
 aatgggggtc catctgcaat ggtgaagtat tggaatgacc ctgaggttct tcaaaagatt 300
 ggccaggcaa tgggtgtaa ccttcccga gattctagt tgtccactgt gctctctgga 360
 cccgaagaga c 371

<210> 26263
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-G6

<400> 26263
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 gcccaggatt ctgtgtggcc gcgcgacgga tgtgcgcgtg acgccacggc acggacacgg 120
 ctggcgcggg ttccggggcg tcacgggaag gatgatgctg gactcctctg agtctgcctc 180
 ttccgccgcc gccgccgccg cggaggcggg agctggggcg gtggcaggcc aggcgcagcc 240
 gcagcgccgc gcggtggggg ccgtgcccc a ggcgcacgat ggtggctacg ccagcgggcg 300
 atgggagaga gaagatggta aactgagttg tggatactca agttttagag ggaagagagc 360
 tacaatggag gatttctatg atgtaaaact aactgaaatt gat 403

<210> 26264
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-G7

<400> 26264
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 ggggggtctt ttatttcata tccgcctaaa taaaatggat ttttgcttgt cttaggcatg 120
 gactggaatt atgtccta at ggaacaattg catcgcttag atctaacggc ttctaacatt 180

ccatcatttc gtatgtagct acattttgtc tccaataccc atgatttgct agctacataa 240
tattttctaatt ttttctaatt attagataat aagttcatag tacatgaata ctgcaatcag 300
tccccgatcc ttgtggcatc tatgtcaaac acttaactac tcaaaacata cattggacaa 360
atgcgagctc atata 375

<210> 26265
<211> 175
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-H10
<400> 26265

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gcctatcaaa caccctggcc cccccacn cggangtncn ccaccaaccc tctcctggcc 120
gccgactacc gctagcacac cctgcaccac aggcagcgac ccccccgca gcagg 175

<210> 26266
<211> 167
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-H12
<400> 26266

gagacacacg tgcgggatga tttgctatat cgtggggcca cgtaacggca gacccatagct 60
ttctttgtaa acaggaggat gtggaaagt ggctgcgtat gctttgcggc catgtgcatg 120
gataatcttg ctgctgcct gaaagaaaaa aaggccgac ttaagac 167

<210> 26267
<211> 392
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-H5
<400> 26267

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cctcttcgga ccacctccaa ggctcttggg gtagcttgcc actctcacca atcaagtttt 120

catgtctgat ctgcacattc agatcccaac tgccttcgat cccttcgctg aggccaatgc 180
 tggggactct ggtgcggcag caggggtcaaa ggactacgta cacgtgcgca tccagcagcg 240
 taatggctgc aagagcctga ccaccgtcca gggattgaag aaggagtcca gctacagcaa 300
 gatcctcaaa gatctcaaga aagagttctg ctgcaatggg acagtgggtcc aggacccaaa 360
 acttggacag gtcattcagc tccaggggtga tc 392

<210> 26268

<211> 247

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H7

<400> 26268

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 tgaagaatct gattggcgaa gcatcttgta gaatctgtca ggaaaacttc agcacaactg 180
 ttaatgcact cactgagcct attgatatat atagtgaatg gattgatgag tgtgagcgtg 240
 tcaacac 247

<210> 26269

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A1

<400> 26269

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 aggcaatacc agatccaggg aggccaaggc ggtttgaagc ttcaactcat cgccgcccc 180
 gccatatctc agtcagctgt ctctttttat ttttgaagtg ccaaataact tgcaaatttc 240
 cgctgctact agatttagct gagaagaacg agatgatcca tgtattagtg gatcaggagt 300
 tgcaaatgtg ggatcccaca tgcatttttt ctttt 335

<210> 26270
 <211> 418
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-A11

 <400> 26270

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 ggttttgatg gcattaaacc actctcctgg gtacctagaa gacaatccca ctcggtgtct 120
 agttcatcca tattggttgc agcaagagca atgacatttc tacatttgat caatggcaat 180
 ggtagcgttt tgtgatgcag taattctgta ataccttctg gcaacagtgc catctcattt 240
 cggtcaccag tgtaattggt tcccatgagt tgactaaggt aatcttcaaa ttcttcatca 300
 ggagccagac gaactccaaa tgctttcgcg acaccagcca aagaaacgtc tgaatgtaac 360
 ggcccgcgtt ggccttcttg gtgagcggcg catggtgcgg tccttccaaa agcccccc 418

<210> 26271
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-A12

 <400> 26271

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 tggcgagagg tacagcccgg catcaaggcc gcgcgcgcgg gcagcgccca cgaactccct 120
 caccacgtcg acgcggcccc cgcgccaggg gctggcgcg caggagtggg ccgcgtagtc 180
 ggacggacag aggcagaacc cgctgtggtg cttggcgacg aggatgacga gcgaggcccc 240
 cgccgtccgc gccgcgtgca tccactgggt ggcgttgagc cccgcggggc ggaacaggga 300
 cgggtcctnc gaccccgtgc cccactcgga gtccgtgaac gtgttcatgc cgaaatggaa 360
 gaacatgatc acctcgcggc gctgtcatc 389

<210> 26272
 <211> 370
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A2

<400> 26272

cacacgcgtc cgctaactag aagcaatact gatggcccaa aacatgatga ttgtgatgg 60
gctcctgctt tccacctttc tcgtggtggc aagatccttg tgggttccag acgaaccctt 120
aaatgcggtat gacataatag gtgcttgcac tgatgagtgc accaactaaa ataaggcttc 180
tggcgactag aagacattcg aagtgttgtg caccaagctc acaaaaaagc ctagcgaaga 240
aggcaatcat gattgacgaa gtacaactcc gatgatatat acactattgg atcactgggc 300
atctttgtag ccatgtctac tacactatgg gcctgattat atcgtcttat tgtgtgggtt 360
tgggtttcca 370

<210> 26273

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A3

<400> 26273

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gaatacctga cttgtcactc catcccgaag ttttgtatgc ggttggtact gttattgtgt 120
actgttaagc tctgctgcgg cgtgccctgt tgtttgggta gcgtcaacgt cgagcgccac 180
ttgcgggtgt gcctttgtct gctatcagta gcggcaaaaa ttgaaagctc tcgagactta 240
tgtcc 245

<210> 26274

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A4

<400> 26274

gaagcaaacc gagaggtgaa ccagcagcct ccaatataag ccagcacatc caaataaaaag 60
ggagaggcct cagccctcag gctagccgac cgtcgacgta ccaccgcgcc aaccgagag 120
aaagatggag atgatcaaga ggatcctcat cgacgcgctc ctcgtagtcg ccgactggga 180

caccgcagtg ctgg

194

<210> 26275

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A5

<400> 26275

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gcatttcggt cagtgaagc aattgagcgc gggtcctaaa ctccgatacct gcattttggt 120
tcggcgatat gtgttggtgt taccagttgc tgcagcgata cttccaattt ctgcgccgat 180
gggtttctct gttttcttct tattttgttt cctcgtcgtc gcagcctgca aattggtagt 240
ttcttggttc ttatcagtgg agctggcttt ggaatttgca ggcaccgatc tgagctgcgc 300
tggtgctcct ggaaaggtgt tggcgcttgg aagtggcagt gatgactagc tttccttcgt 360
agagcctgtc ggggacactc aacctgaaga actacaggct ttgcactttc atat 414

<210> 26276

<211> 476

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-A6

<400> 26276

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cggcctcaag gttttggggg acggtttcga ctacgacgac ttccacgcct gcgtgcacgc 120
gacgctgccg tacgagaagg tgaagcctga cccggtgctc aggcagctgc tgctttccct 180
gccgcagagg aagatcatct tcaccaactc cgacaaggcc cacgcggcca gagtcctgga 240
gaagctcggc ctccaggact gcttccaagg gatcgtctgc ttccgagacac tgaacccgcc 300
accaaccgag aagaacagtg gcggcagtgc tgggacgatc ctgtgcaagn cctcgtcggc 360
gtncatggaa gccgtcatcg agatcggcaa gtcgacgcc gaaagaacgg tgttcttgac 420
gacagcgcgc gcaacatcgc gcaggaagg ccgcccgttt cgcacctcat cgtggg 476

<210> 26277
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-G2

 <400> 26277

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 ccaattgggc gcctccggca atggcaagac agacagcacg aaggctgtgc angaggcatg 120
 ggcatcggcg tgcggcgga ctgggaagca gacaatcctc atacccaang gcgacttcct 180
 tgtcggacaa ctcaacttca caagcccttg caagggcgac gtgaccatcc aggtggatgg 240
 caatctgctg gcgaccacgg acctaagcca gtacaaggac catggtaatt g 291

<210> 26278
 <211> 237
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-A7

 <400> 26278

 actgcctaca ccacttgata gacagtgttg ggcttccatt cggcggggat gacgtgcgtc 60
 gtagacagtc ttagtgctc cctcgggtgt gagtcggacg gtgatggaag cccaacactg 120
 cctacaccac ttgatagacc tttttatatt ttttattcaa taaaaggata taaggtgtgt 180
 gacaacaaca caaatattgt attatctatg tatctcctat gcaatcccaa ttttatc 237

<210> 26279
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-A8

 <400> 26279

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 cgagaccacc tacaactcca tcatgaagtg cgacgtggat attaggaagg atctgtacg 120
 caacatcgtc ctctccggtg gcaccacat gttccctggg atcgctgaca ggatgagcaa 180

ggagatcact gccctggctc ccagcagcat gaagatcaag gtggtcgctc ctccagagag 240
gaagtacagt gtctggatcg gaggatccat cctggcatcc ctgagcacct tccagcagat 300
gtggatcgcc aaggccgagt acgacgagtc cggcccatcc aatcgccaca ggaaatgctt 360
ctaatttctt gggcccgaga aatgcaagcc gtgggggagc cgttacc 407

<210> 26280
<211> 363
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-E12
<400> 26280

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cctaccaccg cccgcgccgc ttcacgccgg ggttcgtgct ccgcgacctc atccagtatc 120
tgtacagcga caaagtagaa gagaagaagg agctgatcaa ggggataacg ctcggtaaca 180
aagacaaatt ccagcttacg cctctgcccc agcaagttct tgtgttatgg ggagagcacg 240
atcagatatt ccctgtcgag aaggcatttg aagtggcaag ggaacttggc gcaaagtcta 300
agttggaggt gctcgaggac accggccaca tgccccagga agaggatccg aagcggttca 360
acg 363

<210> 26281
<211> 140
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-E3
<400> 26281

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atggctacta gaaacaaaac tacttttgat aaaatgcang gcatgaaaag cgtttctgca 120
gtccttaaatt tgctcgtttt 140

<210> 26282
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E4

<400> 26282

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aagggggggag gggaaaacac gtacattcac ccggcgggcaa taatggcctc gggtccggct 120
ccggcgacga cgaccgccgc cgtcatccta tgcctatgcg tcgtcctctc ctgtgccgag 180
gctgacgacc cgaacctccc cgactacgtc atccagggcc gcgtgtactg cgacacctgc 240
cgcgccgggt tcgtgaccaa cgtcaccgag tacatcgcgg gcgccaaggt gaggtctggag 300
tgcaagcact tcggcaccgg caagctcgag cgcgccatcg acggagtcac cgacgcgacc 360
ggcacctaca cgatcgagc 379

<210> 26283

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E5

<400> 26283

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atcgctctcg tgtggcggtg ttgatgtaca tgtcagggtc gtgttggtg cgctgggatg 120
ggagattaca taagatgcta cagagatcga ttcatacgta gaaagaggac cggactccgc 180
cgagtatccg agtgttctgg actcagatct gtcgtggca gaaactagat gcaaatgaat 240
catgttcact aagaccaaaa tgaccgaata catcccg 277

<210> 26284

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E6

<400> 26284

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agattaacaa aatgaactta ttgaatcacc tgctgagatg ctctatggat cgattcatgt 120
tcggtctact actacaagtg aagggtgtgc cgcattgctg gataagtaca ggaacgttga 180

gttcggcaga tgcctcttag tgtattgcag cggccaacca tgcctttctg tcgggcaatc 240
ggatgtttct cgtacaagta cggcgaagat ttactgccct acatgtgaag acatctacac 300
tgcaagatcc aaatatgtaa gcaacatcga cggcacttac tgtgtgacaa cattccccca 360
cttgttcctg atgacatacc cg 382

<210> 26285
<211> 353
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-E7
<400> 26285

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gcgttaccac tcggcctgcc aatgccttca tcggcctcat gtacgggctg ttccgggtca 120
tgggctacgt cccgttcggg gacgccacgc gggacatcat caccaccaac ctccgagccc 180
ggtggctgtc ggccgccgtg cagctggggc tctgcatcaa cctcttcttc acgatgccgg 240
tgatgatgaa ccccggttac gaggtcgccg agcgctgct ccacggcaag cgggtactgt 300
ggtggcttaa gtggctgctg gtcgtcgctg tcggactcgc cgccatgtac gtg 353

<210> 26286
<211> 311
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-E9
<400> 26286

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gggccaatca ggccaacggt ccaggaaaaa tccaacctta ccaacacagc agcagcaagc 120
cccaccggtt cgacgacatg gcccgctcgg cgcccgcgcc gtgttgggcg tcctagtggc 180
ggtcgcgcg gtggccgctg tcctcgcggt gccggcctcg gcgaagtccg gggagctgag 240
cgcgatgggg ttgctggcg cgaagggcg cagcggcgcg ggcccgcaga agtgctcggg 300
cgcggtgggc g 311

<210> 26287
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-F10

 <400> 26287

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tcgttcggcc tggcgggtgag cgacgagtgc aaggtgaagt tccgggatct gaaggcgcgg   120
cggagcttcc ggttcacgtg gttcaggatc gacgacaagg acatggagat caaggtggac   180
cgctcggcgg agccgaacca gggctacggc gacttcaccg acagcctccc cgccgacgag   240
tgccgctacg ccattctacga cctcgacttc accaccgtcg agaactgcc aagagcaag   300
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agctccaagg acaggttcan gagggagct                                     389
  
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<210> 26288
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-F11

 <400> 26288

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agtttgaggc ccgatcgtg ctggcactgt ttggggacac cgttcctaaa actgcagaga   120
acttccgagc actttgcaca ggggagaaaag gaattgccaa ctccggcaag cctgtgtggt   180
acaaggggtc gacgttcac aggatcatcc cggggttcat gatccaggga ggcgacttca   240
ccaacggcaa cggcacgggg ggcgagtcca tctacggcag caccatcttc tccgacgaga   300
acttcaagca caccacgct aaagccggtg cgctgtccat ggctaactac gggcccgaact   360
ccaatggctc ccagttcttc atcaccacc                                     389
  
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<210> 26289
 <211> 388
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F12

<400> 26289

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tcgcccgaagc gcctcatgca gcgcgctgcc cgcgctttcc gccgcagcag gtcgcgcgcc 180

cgcgtcagga cggtaagga cctcgccgag gaacgggcct cagtgtctgc cgccagcagc 240

aaggtctctg atgaggcggc ggcgggcggt accgcgggtg cgcttcagag tgccaagacc 300

tgcagcagca acgatgcccc cgacggcgcc atgggcagcg tgcaggacga gccggcgag 360

cagcgccacg atgactatta ccccgaga 388

<210> 26290

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F2

<400> 26290

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ttgatttgca ggcattccgt tttagtgcac acatagagtt tctgaggcaa tcaagagttg 180

ttcgaccggc gcttctgggt tcaatattat gtgcttacia gaagcctgga caatgccttt 240

tgccttctgc acacgcgaga aaagatgggtg tgaatttgct gaaccagttg atggagaatc 300

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tgaaagg 367

<210> 26291

<211> 62

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F4

<400> 26291

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at 62

<210> 26292
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F5

<400> 26292

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tgtataaagt ggcacatcatc tcagccgctc tcttcgtgct agccctgacg ctagtttgtg 120
ccccgtgat cgcagaggca aagaagaaga gaggcgccgc cgacgccgcc gaggagaaga 180
aggtgcatga caacttctgc tcgacgctgt gcgagggcag gaaggggatg gacctggtgg 240
tgtgcaacga gtgctacgac ctctcacagc gcttcaacct ggtgctgtac ggctgatcc 300
agtgaaggg caagtgcacc ga 322

<210> 26293
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F6

<400> 26293

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ctttaagcac acccagctg aagccgttac gctgtccatg gctaactacg ggcccgactc 120
caatggctcc cagttcttca tcaccaccgt agacgaaaac cggttgcca agaagctgga 180
cgggcgccac gtggtgttcg gcaaggtggt gaaagggatg gacgtcgtgc gcaagatcga 240
agccgagggc cagctcaccg gtgtgctcaa ggccaaagtc gtcataacca acagcgcca 300
gctgccagcg cccgccgacg gcggccatcg tgacctctga tcgatgacga ggagaacgac 360
tcacgatcca tcaatccgat cgatc 385

<210> 26294
<211> 397
<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-F7
 <400> 26294

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nccgcgcgtt cgcaaaactg gttttgggtt taattgggtc acaaatgcct ttggctggag 60
taattgggtt gttgggtggtc atgtgaatgt ccgagcttcc cattttcaaa atgttaatat 120
ttcatatctg ataaagttaa taagtttatt gtcgtcatta agatgggtta agaaggatgc 180
ctgctgtgtt ttaggatgag gctccatttg gaagtcaata gtgcaacact gtcattcca 240
atgatatacc ccactacaa acagacactt ggtcataatt ggctttcgca cattcatatt 300
caatgtctca aacttgttat tacgattctg cggatgggtc gacaaaaccc tgggcatagt 360
gtgattattg acactaatat tagttccaaa gcatttc 397

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<210> 26295
 <211> 301
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-G1
 <400> 26295

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tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgtcc gggcctggtg ggtccttcga 60
catcaccaag ttgggcgcct ccggcaatgg caagacagac agcacgaagg ctgtgcagga 120
ggcatgggca tcggcgtgcg gcggcactgg gaagcaaaca atcctcatac ccaagggcga 180
cttccttgtc ggacaactca acttcacagg cccttgcaag ggcgacgtga ccatccaggt 240
ggatggcaat ctgcttgca ccacggacct aagccagtac aaggaccatg gtaattggat 300
c 301

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<210> 26296
 <211> 351
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-E11
 <400> 26296

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cggacgcgtg ggaaaaaaaa aaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaagagaa 60

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aaattaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aacaaaaaaaaa aaaaaaaaaa agagggggggg ccccatcaaa aggaccaaag ctaaccgccc 180
 ggggcagcaa agaaaaaact tttcttaaag ggcacccaaa actaaattca cggggcgag 240
 atcaaaaacg gtgcaatggg aaaaacccgc ggtttcccaa cctaaatgga aaagggcaaa 300
 agccccgttg caaacgtga ataaaaacca aaaggggctg aacgattacc c 351

<210> 26297
 <211> 305
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-G11

<400> 26297
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 gcgttttttt tttggagctt aacagcagtt ttttaacacat tggcatggcg cgcgagtga 120
 tgatgcgtga ctacacagca tgatacatgc ttgtacaact agaggctaca catgttacga 180
 ctggataccc tatttactag ctctgacgta cattactagt gctggaagat aagtggtaac 240
 ctgcaggaaa aatatagacc aaactcatcg cagggaata agaaaattgg acagatcgaa 300
 atcgc 305

<210> 26298
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-G12

<400> 26298
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 cacattgaga tcgatctaca cttcgtccgt gagcgtgttg cggtcggtgc tgttcgagta 120
 ttgcatgttc ctactgcctc tcagtatgct gatattctca ccaagggatt gccttcacg 180
 gtgttcacaa aattcaggtc tagtctgaac attcttccag gtggctgacc acgttcagac 240
 tgcggggggg ggggtgttg attactatat ttagattgat catcttcctt gttttagtat 300

tgcatgtcac cattattgta tacgtgcatg gcacggngat caccttccat ctctagtgc 360
 tggctataact taaggtctgt ttg 383

<210> 26299
 <211> 391
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-B7

<400> 26299

cccacgcgtn cgaaaagggt tgaatttgct gcgcttagag tcagcagaag ctatcttggg 60
 agcgactggt ttcaaacctg aaaattgtct gcaaacagca attcagcctt ctcttgaagg 120
 tattcctaata ggtgggtgtg atacggctac agaacatccg cctagcgtag ataattacca 180
 gacaagctat aatggctctg aatgggttga gctattagtc acagagatga gaaatgcttc 240
 tgacataaac gatgcacggg ctctgtgcgtc aagagctctg gaggctttgg agaaaacgat 300
 tgtagagcgt gcaggagctg aagctacaca aaacctgcat aaggaaaaca tgatgctcaa 360
 ggagcagttg actgttggtc tgcgagagaa c 391

<210> 26300
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B9

<400> 26300

tcgatcaccg gacgccttgt ccgtttggcg ttttaatttg actggccaag aaaatgcaag 60
 gggccctgct tgtgctgcac cttccgcaa ataatgggt aggaagccca aagggtaatg 120
 gaaatggcaa aggaacagca ctctgtgctt gttcatggcg aaaggcatgg ggcttgggtg 180
 tggttcaagc tccgctggct cctcgagggc gctggccacc gtgtcacgtg cgttgacctg 240
 gccggaggcg gcgtcgatcc taccgacccc aacaccatcc ggtccttcaa gcagtacgac 300
 aagccgctca tagacctcat ctccaacttg ccagacggag agaaggatgat tctgatcgga 360
 catggcgctg gagggctgag tgtgatccat gcaatgcatg aa 402

<210> 26301
<211> 197
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C1

<400> 26301

ctctctctct cttatctcct tccaagattc ccccatTTTT ttgttgttgt cccccccatt 60
cttgctagga tcattccttg atctttcgct cgctccagta cgcttgTTTT ccagctccgg 120
agatcccatc tcggccacct cctgcggtct ccaagctcca agaggccaga ttccagcaca 180
aatttgaggt caatttg 197

<210> 26302
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C10

<400> 26302

ggaaaacccg gcgggaccca cgcgtccgcc gacgcgtccg cccacgcgtc cgctgtgagg 60
tgaaccagca gcctccaata aaatcgaccg cattcaaata aaaccgagag acctcagccc 120
tcaggcaagc cgaccgccga cgtaccaccg cgccaacccg agagaaagat ggagatgata 180
aagaggatcc tcatcgccgc gctcctcgta gtcgcgtctt cggccaccgc aatgctggcc 240
tccaccgagg ccgccgacgc cggcgcccca gccgcctccg agtcgtcggc gtccgccgaa 300
gcccccgctg gcgccgccag cgccggcgcc ggcaccggca ccgccagagt gccctccgcc 360
agcg 364

<210> 26303
<211> 200
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C12

<400> 26303

ggcaaggctg tcggcctgcc gatgccatcg tcctaccgag ccgtctagag cgtcgaggga 60
tcgcgcacgg tgctgtacac aactaaagga gagcgagagg ggactTTTTT tcgcgtttcc 120

ttctctagcc agccttgtct gtccctcct cgtttattct ctctctctct ttttctgttc 180
gcttccgagg aataataccc 200

<210> 26304
<211> 390
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-C3

<400> 26304

gagccccgaga gcttcccttg ccggcgagta ttcagtccgg ctacgcgat ctgactttcg 60
cggagggttct tgaatgtgat cgcattcattg caacaaatcc aagttaaaca gattgctgac 120
aacagcattg agcaagcatt gatagaaaat cctcctaattg tgctgaaatg gaagccatca 180
gaaagagcta aacgggtttcg acgatgcagg tcaactccct cagatcccac cgatcaaaaa 240
cctgcagaaa acggatctgt gcttaaagcc aaagagttat tcaaggagaa aaggccgagc 300
ttcatgcttg taggcctcct ccttttcgcc tacctactag tgggtgtcat catctnttac 360
ctattcatgg atcaattatc tgggaagaca 390

<210> 26305
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C4

<400> 26305

cccacgcgtc cggctctcga tgccatatag gagttggtcc tcatggactg cggccaggac 60
ggcgttggtc cacggcctga acaccaggcg ccgcccatt gctgcgccac cgagggtccc 120
cagagcccga cgctctcttc cgaagaattc ctccagttca agaggaaggc caccacgac 180
gtggaggagt acttctccac ggacgacgtc gccgcgacgg cgaacgagct gcgggagctc 240
cgcgtcccgt gctaccactt ctacttcgtc aagaagctgg tctccgtggc aatggaccgc 300
cacgacaggg agaaggagaa ggcggcggtg ctgctgtcct cgctctacgg cgacgtcgtc 360
gaccgcccgc agc 373

<210> 26306
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-C5

 <400> 26306

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 gtgCGTgcgg ttCGggccgc caaagagcag agcaacagca gcatatccag cgtgacttct 120
 gacgatctca ccgaggatgt cagcgacgac acggagcact acaagcagct aggcctgggc 180
 gtCGtttcca gCctgggaga cGacctccag aacgtgcgga aggcggcaat cctggacgcc 240
 gatgcgctga ccatctcggT ggcgagcctg gggcacaagc tggTgaaggc gaacgagttc 300
 ttgaacacgg gcatgaagag cttagacgag gacagtgggt tccatcgcaa gcttggcgag 360
 ttcacgagc agtcccaggt gcgcgtg 387

<210> 26307
 <211> 213
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-C9

 <400> 26307

 tttgtcctga gcatgtcagc aagtaaggac gtgcttgccc ttgcttcact cgaggtggac 60
 ctctccagca ttgagccagg gaccacggtg actgtgaagt ggcgtggaaa gccagtcttc 120
 atcagacgcc ggacggacga cgacatcaag cttgccaaca gtgtggatgt ggcacccctg 180
 cgccaccag agcaggatgc aaagcgtgtg aag 213

<210> 26308
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-D10

 <400> 26308

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gcttacgccg cggcctcgat cagagtcaga ggcgaaacacc cccatggcgg cggtggcgg 120
 cggcgacga gggaaggtat ccttcaagat catcctcacc tccgaccca agtcccttt 180
 caaagtgttc agcgtgccc aggcggcgcc ctttaccggt gtgctcaagt acgccgcgga 240
 ggagttcaag gtcccgctc agaccagcgc catcatcacc aacgatggaa ttggcatcaa 300
 cccccagcaa agtgcaggca acgtgtttct gaaacatggg tcggagctgc gtctcatccc 360
 tcgcgatagg gttggagctg tagtca 386

<210> 26309
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-D11

<400> 26309
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 gtgatggcag ggagtttctt gagcgcatgt cattgttaat tacccttggc atgggaaagg 120
 tctttctggt caggcctgtt ctcttctagc tttccatttg ttgcttcttc tagtgcctta 180
 ttctgtttca acacctcttc caatttcttc ctgagccttc gattttcttt gacatagttg 240
 tgcagccggt caatgactaa agcaaggaat aaggagtatc ccatgagtga cgcctcgagg 300
 aggtgtcgcg caagaaggac ctggtcggtg ggggtgagcc ccacgacccc ggagccgtcg 360
 agtccctt cggcgtggcc gcggatcttg gccatgctgt gg 402

<210> 26310
 <211> 370
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-D2

<400> 26310
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 atggaatggg gcggcgagca ccaccacccg cttagcgtat tcctccggga cgcgaggctc 120
 gcattcagat gggacgagct cggtcaggag atcatgagga tcgcggtgcc cggcgcgctc 180
 gcgctcatgg ctgaccagct cgctccctc gtgcacaccg ccttcattgg ccacataggt 240

ccagttgaac ttggagctgt aggtgtatca attgccgtgt ttaatcaggt ctcaagaatt 300
gcagtgttcc cacttgtag cgtcacaaca tcatttggtg ctgaggagga tgctatgtcc 360
aatggcagag 370

<210> 26311
<211> 189
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D3

<400> 26311

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gcgtcgatct tcccacattg gccttcatga cgcctcaatt ctacaccttc ttcgtcgggc 120
ccatcgggcg gctctacgcg atgtcgtctt gggctctcaa cttcggctat atctacctgg 180
ccggggcat 189

<210> 26312
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D4

<400> 26312

atgctgctct atgtggctgc ctttgctttc catgcagcca caaggctggc ccgcaggtgc 60
gggttcaggc caccatgcat cctatccacg aggtggacc gcgccctcca tggaaacttg 120
tcatggttct acgaggacct ggactgtatc atgcatgagc ccgaggtctc gtctctggct 180
cattgcaaga gccaaaggccg gcttgcaagg tacagcgatt tcattgaata atgccttcca 240
tcatgcaact tggagctggg gccctataag aggccgtgta ctatcaggct tcaacaatta 300
gcaggttgtc acttgctagc ggcacaacat catt 334

<210> 26313
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D5

<400> 26313

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cagttaggga gcggatcgag ggggctcggc ttgagtggag gagatggacc gcaaggatgt 120

ctggatcctc gccatggaca tctacttacc gtctcctgc gtgcagcagg aagcacttga 180

ggcccatgat ggggcgagca aaggcaagta caccattggg cttgggcaag attgcatggc 240

cttttgcagc gaggtggagg atgtcatctc aatgagtttg actgttgtca attctctgct 300

gaaaaaatac aagattgatc ccaagcta at tggtcgcttg gaggtgggaa g 351

<210> 26314

<211> 172

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D7

<400> 26314

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tggggccctt caatgtctgt tagcgggtggc attaatgttc cagtgattcc gactccgctt 120

tttgccaatg cttcagccga gaaaagtggc aaaaacttca tgattgattt ca 172

<210> 26315

<211> 296

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-E1

<400> 26315

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gccgccgctg ctgcttacng agcacacaag ctttctcatg gccatagcgg acacggtgga 120

catgggccct ttggaggcca tggtcgtggt cgtgggtggt atggccgtgg tcgtggccac 180

cacggcaagt tcaagcatgg caagcatgga cacggcatgt tcggcggcaa gttcaagaag 240

tggaagtgat gtgttgatcg taactagcgg tggtaatgga tcacgattta aatgtt 296

<210> 26316

<211> 265

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-B6
 <400> 26316
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 ctcttttcggg gacgatgagc tactacaatc cccacggcca tggcggcgcg cccccgtctt 120
 cgccgagccc ctcccagtat gcgccccgc cgtctccca agggtagcca atggacccgc 180
 acgaggagcg cgggatggag caccaccacc accaccagta cgggcccgtct tcgcccgtagc 240
 cgatgtacgc gtcgtcgtac gggca 265

<210> 26317
 <211> 236
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-E10
 <400> 26317
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 tatttaagcc agctagtcac tatagtata tggtaactgg ggtattcatt atttctgtaa 120
 tactgtcaaa tcttttttct aatttctcta ttaagccgag atatgtttct aaaacaaaaa 180
 tatggaaaaa aaccttcacg tgtatagcat tctacaacac aaaatattta taactg 236

<210> 26318
 <211> 370
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H2
 <400> 26318
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 acgggatgtt ccctcggaag gactcgggtg tctacctctt ggcgcactac ctgttccacc 120
 cgacgaacga gggttggggg ctggtgacga ggttccacag gtcgtacctg aggggctcgg 180
 acgaaaggct gggcatccag gtgagggtgt tcgacggaga cggccgcttc cagcacatcc 240
 tggaccagat cctcgcctgc acttcgcagg aacacctgct ccccgacgtg gcggtgacgc 300

aagagccgtc ggcgggccgc ggcgcgcggt ccaaggccgt cctgatgacc ggccctcagct 360
cgtggtacta 370

<210> 26319
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H4

<400> 26319

cggaacgcgtg ggtgacggtg ctgctcctcc tctctctgct cgccggcggc gcgtgcctcg 60
cggcctacgt cctgctgacg acgcaggaga cgccggcctg gctccccgcc gtcggcctag 120
cgctcgtcgc gctcccgtag gcgttctgga tctcacttg cgcgtagcgg tgcgcgcgcg 180
cgcgggccgc ggagcgcag acgatggccg tggcgccggc tgctggtagc atgtgctcgc 240
gctccggctc gtgagcagta accgtaagac acttagccgt gcgaattcac tttcagggtca 300
attgttacat gatggttcta tacacgtcat tgcattaaga aatcaagatc atatacatgc 360
tggtatccgt ccgtccttaa cagtatttaa cgatcgctga agctgcacaa c 411

<210> 26320
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H5

<400> 26320

accacgcgtc cgctcacgcg ttcgacgacg cttggggcgc cgtccagctc ggcgaccgtg 60
tgtcgctggg agaacgaggt gctccgactt gtcgaggagt gcagaggcgt tgtcatggac 120
atccaggagg agatgccggc ggacgacccg gtgttgctgc cctggcagat ggccatcccg 180
gctgccgtca tgcccatcgg cggcccgac atgctccact actgatgatt gccttcacca 240
accacaccac catacatctg aggctgtcag ctggggctgg ttggcaacaa tacaagaaga 300
attggctgcc tgtaacaac attgacatct actacctacc tggctgcttt gagaattaca 360

<210> 26321
<211> 58

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H6
 <400> 26321

cccacgcgtg cggtagatt gctgttactt ttaccggcga accgcgacca cctcggag 58

<210> 26322
 <211> 411
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-H7

<400> 26322

cggacgcgtg ggccgctctc gtcttcgcca tactcatgac cgccgcggtt gcggagcagg 60
 ggccggcgcc cgcgcccaacc agcgacggca catcaatcga cctggggatt gcgtacatcc 120
 ttatgctggt tgccctagtg ctcacctacc tgatccaccc gcttgacggg tactgcccct 180
 acaagctctt ctgatccctg cgcctttccg tttgggtcatg cggntaaggg cgcgatagga 240
 ttttgagtta ggcaacgtgc ttatgtgagg ctgggaggtt taggatgatg attgcgggtca 300
 tctggtcttg cttggtatga tgtattggag gctcgaagct gctggtgttc tgattgagtt 360
 tgtatcggac ggactccatg atctttgagc tcagtccttc agttctgctc t 411

<210> 26323
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H8

<400> 26323

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 gtcaagctcg ccgagtactt caacgtcacc gacgggggtgt tcagctacaa ccagatgggc 120
 gacgtgcccc ccgccgttaa cgggccactc catgtcatcc ccaacgtcat caccgccgag 180
 ttccggacct tcatcgagat cgtcttcgag aaccccgaga agagcataga ctccctccac 240
 ctcgacggct acgccttctt cggcgtcggg atggggcctg ggacttggtc gccggagatg 300

aggaagacgt acaacctact ggacacgggtg agtccggaca cgatccaagt gtacccgcgg 360
tcatggactg cgataatgct ggcat 385

<210> 26324
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A10

<400> 26324

cccggcggga gccacgcgtc cgcccacgcg tccgccgacg cgtgggtggt cgtcgggggtg 60
tactgcgcga gcaggtatgg agctgttatt ggcaaccggc gtcatgcgcc gaaaatggaa 120
gtcgaggacc tgacggccgg actggccagc ggcaggatat gtgctgagga gaacatcgac 180
cagctggtgg ctctgagggc agaacgcca gccgatgcca cggtcacgga cacgctggct 240
gattaacgga ccattgtgcc attgttgctg cgagagagat gtgcgtcagc caacatgtgt 300
gctattgctt t 311

<210> 26325
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A12

<400> 26325

gaccatccct gcaaattacc gcgatgggtc ccaagatcct agtcatcctt gtgtggcgcg 60
ccgttgcttc accggctgct ctggccgcct tcgatgtgat agagatgctg gccgacaagc 120
ccacgtactc cacgttcctg aagctcctgc aggacaccaa ggtcgcgggc gaggcgaatc 180
agtccggtc ggcgacgcta ctggtcgtcc ccgacaaact tgccaagcct ctggcgtcgc 240
tgcccgccga taaggtgcgg ccggcgggtg agaaccacgt ccttcttagt tacttcgacc 300
gcatcaagct ggacgagatt gagacacgca ccagcatcct tctcacgctg ctcttcgtca 360
ccgacaag 368

<210> 26326
<211> 330
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-A5

<400> 26326

gcacacagct catcagttct tcttcgttgt cttggctagc tgcctagcta gctagctggg 60

tcctcactcc tctccgagaa cccctttttt catctctctc tctcgcctag ctccctttcgc 120

gatgttatct tctctgctgg cctcacaact cgagagagac tcgtgaaaag aatccagata 180

tataaagaga tcgagggcag ctagcttaat tattagcatg tcgatgagct tcttgagcat 240

ggtagggcgc gagctgccgc cggggttccg gttccaccgc agggacgacg agctcatntg 300

cgactacctc gcgcccaagc tcggcgccaa 330

<210> 26327

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A6

<400> 26327

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gaggggtgggg cggaccctcg gccatttggg atttgtgcgc gccattgacg gcgtggggag 120

gaggggtgggg cacagcagat ggggaggagg gcgcgatggg gtggaacctc ggcgacctac 180

catcgacagc gtgggcgttg atggcaacct cggatgatgg ggatcgtaga gctgaggggt 240

aggggatcct tgacacctgc ctttgatggg ggggtaggag atccttgtca cattacgacg 300

atgggtggcg ggatgacagg cgttggtgcc tgcacgc 337

<210> 26328

<211> 367

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-A8

<400> 26328

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gggctggccc ggcgggaact taacgacttc ctggtgaaaa atccggcttg accgcggtcc 120
 tctttaacaa ccaccgctgg acgggaaaat cgtgaggagac atgaaggaga agctcgccta 180
 catcgccctg gactacgacc aggagatgga gaccgccaag accagctctt ccgtggagaa 240
 gagctacgag ctccccgacg gacagggtcat caccatcggc gccgagcgct tccgtgccc 300
 cgaggctctc ttccagccat ccttcacggt gatggaagct gccggcatcc acgagaccac 360
 ctacaac 367

<210> 26329
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A9

<400> 26329
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 accagccggg gcaaccgtgc cgtcttcggt tcttccatcc gtcctaacct cggaaagtat 120
 tcgaccacgg aagcagcata acctccgtac atcccatccc cggtcgcctg tactgtactc 180
 gtcccgtctt agacgatcga tggccgccac ggcagcggaa gagatggaaa ggattgtgga 240
 ggcggaatgg gatgagggtg agcaacggat gaggcataag cagcggcgcc gaccgcttgc 300
 gctgccggca cggcctgttt cactcatgct caatggggat ggaagctgcc ggtatcgacg 360
 agagcagcta caactgcatg a 381

<210> 26330
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B10

<400> 26330
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 aaatcagcgg ccatggcctc gattccggcg acgaccttcg ccgtcatctt atccgtcctc 180
 ttctgtgccg cggctggcac cgccgtcgac aacgacctcc ccgactacgt catccagggc 240

cgcgctctact gcgacacctg ccgcgcgcggg ttcgtgacca atgtcaccga gtacatcgcg 300
ggcgccaagg tgaggctgga gtgcaagcac ttcggcaccg gcaagctcga gcgctccatc 360
gacgggggtga ccgacgcgaa cggcacgtac acgacgcgagc 400

<210> 26331
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-B12
<400> 26331

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gcgtttcaga tccgcgggca accacgcggg ctccggtgac ggcggagacg tcatggcccc 120
tgccgtctgc agcgggagcc cgagctcatc gttctcgact ggcacctgcc agcagccccg 180
aggaggcggc ggcgggcgcg atcacctggg ggacgacgac ctgctctatg ttcttgacta 240
tgccctacgt gacagcagcg tggctcgagt gtttagcctg tatggactga tgtaatcgat 300
ggtatgggat gccatcgctg tcggcagatt aattctagct agctactcat cgtagcgtgt 360
cattgctgtg ctgaattgct gatttctatg tgcgcctctt taatcatatg tgcataa 417

<210> 26332
<211> 305
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-B2
<400> 26332

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cgcttccgag gaataataat caaccaaagg ggctctgctc tatctcaaga agacttcatt 120
catgtgggca ccagcagtca ctcaactgcc ggggcggggc accagggaga ttaagaggcg 180
atggtcgct tcaatgcatg catgcggata tatgcatgcg taaacacatc gagacgcgcn 240
aaaattgntc ttttatattt atgtatatgt acatgcatat gtctnctgat tcaactttga 300
tgttt 305

<210> 26333
 <211> 235
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-B4

 <400> 26333

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 ccatacacag gtacgcaaga acgccactaa catggctagg ctgcccttga gagcataggt 120
 ggttctgtgc ctctgtttg cgacgcgggt cgcaggagc catcatcgtc aaggggatgg 180
 tgtcattcga caattggatc atctgcaagg tactggacaa cttgaacaag aacct 235

<210> 26334
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-B5

 <400> 26334

 cgctcgctgc ggcttggtg cccggcacgg aggcgcagg catcacgcac gtgctgggcg 60
 gggactatgg gttcacgggg aagctgccgc gcacgtggtt caagtccgtg gaccagctgc 120
 ccatgaacta cggcgacaag cggtagcacc cgctgttccc gttcggcttc gggctcacca 180
 ccaaggctgc cgcgagtcac gattagcaat tagagttaga ctctgctttt gctttttcgg 240
 tgttgatgaa atagttagcg ggaacggcaa ataagcactt tttttttag aagatacaca 300
 aagctttttt tttgtaggtg tagttaaaaa agaatacaca aataattgat ttaggcct 358

<210> 26335
 <211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-F12

 <400> 26335

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 atacatcaat cagcatgttc tctaattctt tgcccatcga tgactctgat caaattcttc 120

tatcttcacc aagcaacgga agattcaaaa atgatgccac tgaacatatt gctcttgctg 180
ccttcaacca tgcaaaggac aataactatt tctataatct ntcatgtaaa ttattaacac 240
tcaatgtaat gcaaaaagta gcatatgaca aaagcttcaa tcagcctttg tcttgacagaa 300
actattcatc cacttc 316

<210> 26336
<211> 376
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-F2
<400> 26336

cgctgctctg attctcgtcg tcgccttggc tacatgtaca aacaagtttg ttgatgcacg 60
cgtgggtccac cctatcgtca ccctcgaggc cgacgggtca tcttcacact ctggcgatgg 120
tcgtcgcttg atcagctcca ccaaccaaga tgaacttga gcgctatgcc aactgatgca 180
ctacaagacg ttgtgctcca cgatgactac tctgcctggg gtgactacgc cagatcaact 240
ctcagatgca tccctgcgga ttacatcgct gaaggcatcg atcgctgaca ttaagctcga 300
cattgcaatc aatgcaggca gtgctcacgg taactcgatg atgtccgcgc tatagacacg 360
caaggagagc ttcgcg 376

<210> 26337
<211> 420
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-F3
<400> 26337

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gtcgtcgatg cgggcacagg ttgcgatggc tgtgggtgtg gtgttcttg tgagcgggcg 120
atggtgcggt cctcccaaag tccccccagg caagaacatc acggccacct atggcaagga 180
ctggctggac gctaaagcga catggtatgg caagccgacg ggtgccggtc ccgacgacaa 240
cgggtgggtg tgcggttaca aggacgtgaa caagcccccc ttcaatagca tgggcgcatg 300
cggcaacatc cccatcttca aggatgggtct gggttgtggg tctgtcttcg agatcaagtg 360

cgataagcct gtggagtgt ccggaagcc cgtggtggtg cacattacgg acatgaacta 420

<210> 26338

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F4

<400> 26338

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ggctgcgcac ccggtacatg tcgaccacgt tgtggagata cgcgtctcct gtcgagacgg 120

cgtatgatac ggtgatccca gacgtcatca caggcgagac catcacggtc acgctctggc 180

acggactagc tggacgctga atcgacgatg catctgcagc cgagcgttac cgggtccgat 240

ctcgacgggtg gtatctgcgg ctacgaggac ctgaacaatg ccgctcttgc atattatgat 300

gggcatgcgc taacat 316

<210> 26339

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F5

<400> 26339

tgtgtctcct ctctacctc cccgtctccc tgccctggaag agaccgcacc agctcgtccg 60

ggagtccac ccccaatccc cacagcttcc cgcaccaact aatccgcccc atttgcgggc 120

cactcccggc ggaaattcgt gacaaagccg cggttttttc ttcttttttt ctttcgctcc 180

cccgcccccg ttttcccttt tgactccgtc gccgggtctg ctcttttatt gctgcgcctg 240

cctgattgtc ttttctcgtc tgaacgcgcg gtattccgag ggcggcgacc gcggattcgc 300

ctacggaagc ggcgatttgg tccacaggtg gcgaaaggat gatggatttg gggagattgc 360

tctagctagc gtggttctga t 381

<210> 26340

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F7

<400> 26340

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ggctccagcg ccgcccgcgc agcgacctca ccccccgga gccgccggcg gtacccccct 120
ccctatcacg cctcatcgaa tcctcaggctc taagtTTTTT tttgttttgt gagttatcca 180
aagttggacc gcaaagatga gtactgctaa tcactatcag cacatcaagt gaaccaagcc 240
tgtttaggc aaagcaagaa aattgaagga tctcatgata aaaagtgata ataggatatg 300
tgctgactgt tgtgcacctg atcccaaagt ggcactctgt aatattggag tgtttctttg 360
cttaaaatgt ggagatggctc a 381

<210> 26341

<211> 429

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-F9

<400> 26341

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accggtgctg ccaaggctgt tggtaaagtt cttcctgac tgaatggcaa gctcactggt 120
atgtccttcc gtgttcttac tgtggatgtc tcggttgttg acctaccgt cagaatcgag 180
aagggggcct cctatgagga tatcaagaaa gctattaagg ctgcttccga gggtcactc 240
aagggatatca tgggttatgt ggaagaggat ctggtttcta ccgacttctt tggtgacagc 300
aggctgagca tcttcgacgc caaggccggg atcgctctga acgaccactt cgtcaagctc 360
gtctcgtggt acgacaacga gtggggctac agcaaccgcg tcgtcgacct gatccgncac 420
atgttcaag 429

<210> 26342

<211> 205

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-G10

<400> 26342

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aaagatcaat cagcatgtcc taatctatgc tctccattgt tgccgcacat caagtgtctt 120
gatgttcacc acgttactgt acatacaaaa ttcttgcgtc ttagcatatc gctcttgcggt 180
tattaaactg gcaaaggaaa atgac 205

<210> 26343
<211> 338
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-G11
<400> 26343

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gtcttggtcc tgcaaggaca aaaaacatag attagttatc ttcagcatgt atgttctttt 120
cttattttac acaactagca aacatacggt tgtgtagcaa gttagcaaca gaatgcacag 180
cttggttatgt agtcacatgg gcgatttgtg gcttggagat ttattcaatg atcgtgccat 240
ctgttgcaat taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaataaaa aaaataaaaa aaaaataa 338

<210> 26344
<211> 274
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-G12
<400> 26344

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atcgggatat gttaagctga tcgattggca gatacgtagt caggtggagc agagcaacga 120
gagacatggc gacgacgacg cgtgttgccg acgacgacac ctgcgtgctg ctggtcctgt 180
ctgcgttggc gaccctggcg cggtcctggg acccgtagct gttcttcgag tggaaggtga 240
cgtacgggac caagtccatg ctaggcgtgc ccca 274

<210> 26345
<211> 249

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-G2

 <400> 26345

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 cgccatccac cacgcggcca tggacggcgt gggcgcggtc cagtttatgc agacgtgggc 120
 cgggggtggca cgcggcctgg acgtggcgga ggcgtgcggg ccgcagccgt tccacgaccg 180
 gagctctctg cacgcgcggc gcccgccgtg cccgacatcc gaccacttcg tctactcccc 240
 ggcgttcct 249

<210> 26346
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-G3

 <400> 26346

 atcaccgcgg ccagcgacta caaccagtcg ctgcagttcc gggacctgga cagggagaag 60
 aagaagatcg acatgcaggt cccccgcgac ggctaccgcc agatagtgtc catatatgac 120
 attgtcttcg gggatatcgt ccacctgtcc atcggcgacc aggtgccagc ggacggcctg 180
 tacatcgacg gctactcggg agtggtcgac gagtcgagcc tatccggcga gagtgagcca 240
 gtgcatatgt acagtgcaaa acctttcctg ctcggcggtg ccaaggtgca tgacgggtcg 300
 gccaggatgc tggtcaccgc ggtcgggatg cgaactgagt ggggaaacct catggaaacg 360
 ctgagccaag gctgtgagga cgagac 386

<210> 26347
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-G4

 <400> 26347

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 gaataacatc atggtcgtgg gcgccgtcct tgctgcgctt gtcgtcagcg ggctcgtgcgg 120

gccccctaag gtgcctcccg gcacccaaca ttaccaccaa ctacaacggc aagtgggtca 180
 ccgccagggc cacctgttac ggtcagccca acagtgcggg cgctcctgac aacggcagtg 240
 cgtgcgtgat caagaacgtg aacctgccac gctacagcgg catgacggcc ttcagcaacg 300
 tgcccatctt caaggaccgc aagggtgat gctcatgcta cgagggtgaga tgcattgaaa 360
 aacctgagtg ctcgggcaat cctgtcacgg tggt 394

<210> 26348
 <211> 167
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G5
 <400> 26348

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 ggaccattac tatcttactt acatgagggc ccacattaat caatgacatg tacggtccat 120
 gatatatatc taaagtttgg atcttttaat ggtaaaaaaa acaaaaa 167

<210> 26349
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G6
 <400> 26349

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 ggccggccca gatccgagta cggcggcggc ggctgcccgg gcgagatgac tggcggcggc 120
 ccggccggcg cgctgcaggc gtacggcgag gcatggtact gggacgagcg ctaccgcaag 180
 gaggcggggc ctttcgactg gtaccagaag taccggcccc tggcgccgct gtcgcgcctc 240
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 aacatgattg acgatggtta tcaagatggt gtcaacattg atatatcttc tgtggtaatt 360
 gagcaaatga agaagaaata ccacgataag cctcaactta aatacatgaa gatggatgta 420
 aagaacatgt cagattttga gtctggttct tttgatgctt gtattgacaa aagaacac 478

<210> 26350
 <211> 364
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-G7

<400> 26350

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 tggccgcaag cgtcctgtac aggttttcct ggaggacgac gagccctatt ctgcttcagg 120
 gtcaaaaccc gccgctcctg gcaaggctac cgaagggtgcc aagaaggccg atgacaagag 180
 cccaagcagc aagaagcttg cagtggcagc tcttgccgct gtgcagtcta catagtcaat 240
 tgcagcttta gtagcccgca taaagagcat aacagcgctg gcaactggcg ccttcatatn 300
 gcatgtaatc cccagaagac tttagtctgg tcgtggctcg aagtataacc tcgttcccag 360
 cgtc 364

<210> 26351
 <211> 343
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-H10

<400> 26351

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 agatgataaa acgtgacctg ggtcgaattg agaaatgggt tatccgtaat gcatttgatg 120
 atgaggagag gccctattta cctaagcaca ttctctacag gcaaaaggaa cagttcagtg 180
 atgggtgttg gtatagttgg atcgatggat tgaaagacca tgccagccaa catgtcttcg 240
 attccatgat gatgaatgct ggctttgttt acccagagaa cacaccaca acaaaagaag 300
 ggtactacta cagaatgata ttcgagaaat tcttttccaa acc 343

<210> 26352
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-H11

<400> 26352

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aacagtctca tgtctactcc tgctgtatct gctgtcatcc gtgaaagaat tgggtgcagat 120

ggatcaaagg ctactgggtgc cttcatcttg acagcgagcc ataaccagg tggtcctacg 180

gaggactttg gtatcaaata caatatggga aatgggtggac ctgcccctga atccgttacc 240

gacaagattt tctctaatac aacgacaatc tctgaatacc tcattctctga agaccttcca 300

gatgttgata tttctgttgt cgggtgcacc agcttcagtg gacccgaagg cccctttgat 360

gtggatgtct ttgactctag tgtaaattac ataaagttaa tgaagacaat ttttgacttc 420

gaagcaataa a 431

<210> 26353

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-F11

<400> 26353

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ccacgcgcgg ggcgctgtgt accgtgacct caagcccgag aacgtgctcc tccgcgccga 120

cggccacgtc acgtcaccg acttcgacct gtcccgctc ctccaccca gcaggtcgtc 180

cgcggagtcg tcgtcgcccc cgcggccagc gtcgtccgc gccaccaca accgccggtc 240

gcgcgtcccc gcgcggagcg actcggttct cagccagcag gtcaagtcgt actccaactc 300

caacaactcc agggccctc accagccctg gtccgcggcg tcgtcgccgc ggcagcagct 360

ccagagcctg gtccgctaca tcatggggag cggcgacggg accgngtggt gcaggaagag 420

c 421

<210> 26354

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-D5

<400> 26354

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gcagcagcca ccggagctgg aggaggagga gcagcagcag ccgcatcagc cacagcttcc 180

atggttctctg cagaggcagc gcccgccgt tcttcttcca tggctccggc cccatccacg 240

gccgcgtcga ccgttccgga aacatccggt ggccgacctg gttaacggat ttttccgtgg 300

ttgtcactga aggcgagcac tatgctcggg acgtagacct ncaaaatatg caatgctacg 360

gtacatatca atggacgtaa ac 382

<210> 26355

<211> 321

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D6

<400> 26355

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agaacctgac ggccagcgac gtgcaccaca acccgaggg ctactaccac tacggacaga 120

tcaacatcac cctcaccatc aaggatcatg tctacctcg tccacatcgac cgcaagcttc 180

gatacggtt caacggcatc ttctacagtg acaccgagac cccctcaag ctctccgagt 240

acttcaacgt cacctaccga gtgttcagct acaaccagat aggcgacatg cctccagtcg 300

tttacggtcc actacatgtc a 321

<210> 26356

<211> 371

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D7

<400> 26356

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gcgtacggag ctacacgggt gtcccaactcc cacgggatgt acggccacgg ccacggccac 120

ggcaagttca agcatggcaa gttcaagcac ggcaagtttg gcaagcaca gaagatgttt 180

ggcaagcaca agaatatgtt cggtcgcaag tggaagtgat taacgtacag ctttaatccg 240
attctggacg agcagacgta tatatatata ccggagtcga gaatgctaag ttatgctatt 300
ttgattgtga ttcgaatacg ggaggttgtt agggtttttcg aagtacgtac tgacggctgc 360
ctgtaagctt t 371

<210> 26357

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D8

<400> 26357

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gggcaggctc gcgcgcggcc atgaaggggg gcggtgccat gaggccgtcg cctatgttct 120
acgtccacga ggcgtacgtc gtccagatcc accacttcct cgaggagtgc tacctctgcg 180
ccaaatcgct ctactgcgac atcttcatgt acaggggtga cagccgatc tgcaacgagg 240
agtgcaggga gcagcacatc gaggatgaca gggcgaagca cctgctgaag aagcgcgcgg 300
cgactcacgc gctgttcgca cgcatacggg agcaccggca ccagcagcag ctgcagcagc 360
accaccacta gca 373

<210> 26358

<211> 124

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E1

<400> 26358

cgcgcttctg ttacacacga gacttctgtt ttcgttgagc taatcttacg acacctgcgt 60
gatcgggtta cagatgtgac acggcatcca aactccccac ctgtaatgtc ttgccaccgg 120
atcg 124

<210> 26359

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E10

<400> 26359

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ccacatcggt tatgttcaaa catgggtgcc tgtgcaacga agcctaagac gcttgagggg 120
aaagccccag ctgaggccac catcttcaca cccaagggtg cacctgacac cactgccatc 180
cacattgagg ttgcggcgaa acaagcagta gttgataagg tggaagatga caaggaagag 240
gcactaacag tggctgcgaa acaagagcca gcagccacca tcgagcctca acagattgct 300
ggtgaagtga ccacttcaga agtggctgtc gtc 333

<210> 26360

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E11

<400> 26360

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gttccgtctc cctcgtcgtg ggcgcccttc tctcctctc cctcctcgtc tccgccgcgg 120
ccagtgcgcy gaccgtgggc gacaccgtgc aggacgcgtg cagcaagacc cagttcccca 180
agatctgcgt ggacagcctc gccgccaagc cggagagcca gaaggcgacy ccgcgcaagc 240
tggcggagct gttcgtgaac atcgcggccg agaagggatc cgggatggcc accttcgtgc 300
accgcaagta cagcgacaag gaggacagcy acatattcaa gtgctacgac agctgctccg 360
acgacgtgga ggaagccgtc gccacacctca acggcctcgt ccgggagccc accgacy 417

<210> 26361

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E12

<400> 26361

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cattgtcgat gactgccact ctggctgtc ctacggtcag gttgggtcgg gcggtcgcgg 120

cctgggtcgt gcgctggtgg gcactgggtg cgaaggcatc ggccagattt ggggaaattc 180
ctcaccgaag atcaacagtg ccgccgatcc gctgctcacg atgaccgtct ctaccactac 240
ttcgaccgcc attgagcgcg aggacacgtg tcatccgaaa agcaagttgg tacctggaat 300
ctcaagtgcc aggagaagaa caggtgggtc aagaggagcc gcctaacact gaggagttcg 360
atctgatcta tgtggcgtgt ctc 383

<210> 26362

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E2

<400> 26362

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cagcctggat ctgatacag acaagccgat tactttgcag gaaggtctgc tccagttcat 120
caagcatccc aggaaattgg tgtatatgga agagttgatg ctgataacca caacatgtcc 180
attcttggga ctactccata tggaagacag caagcagcct cattgttgga aggagctcca 240
aagacaaaca ttgacagcct ctatggacaa agatcatcaa gtgctggttt tgggtgcatgt 300
cttcctcctg gacgtgatta tgcctcaagg aaaggcctgc tccatccatc ttcggatcct 360
gattaccag atagcatctt acccgtgta ca 392

<210> 26363

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E3

<400> 26363

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cagcgggcca tcacgttcaa ggacaccgcc accgccaaga tcatgtgca tctcgccgat 120
caggacttcg actcgtgga ccgaccctgc acccaagccg gcgttcacaa ccacatgggg 180
aagcttgaca aggagctcaa ccagatggcc aacaactgca tggtctttgc aaacatgata 240
tgaaccacgc atgcaacctc agcgtgaggt gccatcgcat gcacggaatg cttgcattca 300

gttttcattt aattgagaa

319

<210> 26364

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E4

<400> 26364

ctggcatcca ctcgtgctga tccctctttt tccccgcacc atcgatcaag cttgacctgg 60

cggagttgat catgcatggt ttgaggttct tgtgcagact aaggaaccag gagctggaag 120

aacatgggag tgaatcatat cactccaagg gactctgccc ctctgtata atcctctgaa 180

actcgactcg ctctgtcacc ctagtttcta ctttctagct gccaggagga agaaatgtac 240

tgtaactaac agcaagcaaa gcataagaat ctgcatggct cacggtgtaa ttgtttttta 300

aaaaaaatta aataagaata tatcgaaatt aattagcata tat 343

<210> 26365

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E5

<400> 26365

gaataaccgg gctgaccac gcgtccgccc aagagctcgc gcgcgacggc catcaacctg 60

ctcgtccgc tcgcgtcct cggggccgtg ctcggctcgc cactgagtcc ccacgccgat 120

gccaccgtct gcgacgtcgg cggccacgac aggtggatcc agccgacggt caaccacagc 180

ggcaggtaca acca 194

<210> 26366

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-E6

<400> 26366

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gcgccatccg agcgaacaag ccaaccgacc ccgtcccca ggcgaatccgc cgccgacgta 120
ccaccaccac cgcaggagcg agatggagat gaagaggatc ctcttcgccg tcctcgtcgt 180
catcgccgcc tcggccaccg cagtgtctggc ctccaccgag gccgcgcgcg cgggcgcccc 240
aactgcctcc gagtcgtccg ccgaggctcc cgctggcgct ggcgctggcg ctgccgctgg 300
cgccgacgcc tcggggccct ccgccagcag cggcgcgccc gccctcgccg ccgcgcccgc 360
cgcgctcctc ttctccctcc tcgcctacta cctncactaa gcgtgtgcgt gcg 413

<210> 26367
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E7

<400> 26367

cgccgcgcca tgactatgac gatagtcgcc gtgctctgcc tgctcctctt ctctgggcgg 60
cgcgccgcgg cggagaagac tttccgcgga ggtggatgca gatgctactg cgggttgagg 120
gccggtggcg gaggcagcgg cggtattcc accccgagcg aggcggcgcc attcacgcct 180
gccgctgggg agacgactac ccctccgtca ggcggcgggt acttcactcc tagcgtggcg 240
gtccatcca cgctgcgcg ttaggagact acgacgactc ctctcgtcagg cggcagtggg 300
tacggcgggtg caaccggcaa g 321

<210> 26368
<211> 244
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E8

<400> 26368

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ggctgcgcct tcgatcgccg ccccgtcgcc tagggttccc gcgcctgtag atcgggtttg 120
ggggacgagg aaggggagtg ccaagtaagg gaacgatggg gcctaggcgc tccaagcgcg 180
tttcgtgggc cgacggggcc aatctctgca aggtattgtg attacgtcct tgcggaatg 240
ggtt 244

<210> 26369
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-E9

 <400> 26369

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tttaagtagg ggcgagtg gagcgagcgg ccaatcgccc gggagcgaag ccagcgctag  120
ctgccgcctc cctccccggt cctcggggtcc gccgcgcgcg cgcgggccgc caccaccgca  180
cgacgccgac caccacaatt agctagcagc ggcgtcgact aataaacgac aatggcgctcc  240
atctccctcg aggacgtccg caacgagacc gtcgacctcg agaccgtccc ggtgcaggag  300
gtgttccagc acctgaaatg cagcaaggag gggctctcca gcgccgaggg agacaatcgg  360
ctcaagatct tcgggcccaa caagctgang agaagtcgga gagcaagc               408
  
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<210> 26370
 <211> 239
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-D4

 <400> 26370

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gggcggggtc gccaccgtca cccactccgg caagaacgcc ggcgacgact tcaccgtccc  120
gggggaagcc tccattgcc a cgtacggcaa gtcggtcgag ttctgtgctg cgtccacgtt  180
gtacaaggag tcgtctgaga agacgtctt ccatgccacc aatggcaccg agaacccca  239
  
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<210> 26371
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-F1

 <400> 26371

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tcgagactgt acaagcggct aggtaccgtg acccatgacg acacactaat cactgcaata 180
ctgacgcgaa taatgagatt gcctgtctca tctacagatt catcaagttg agtatgcagg 240
tgctgtcata tggtcggttg acgaatgacg tcatcgcaag aaacacatgc cgtgaagcca 300
acatattggt cggttatgct gctatgctct ctagcatatt cttagatgca taatgtatac 360
gcagacgtat actttggtct cgtaatatgt gt 392

<210> 26372
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F10

<400> 26372

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cttcggtaag caactgccta ttctcattgc atggtacagg atcatgaact gtcgccttat 120
cctgctctct gtccctgcgt cctgtgcact gggtgaggat gcgtttgaca tacgtggcca 180
aagtactgac tgcatatcaa cgcgccacaa cgatccgttg ctgacgaata gccgttctac 240
cactacttaa aacgccattg catcgcgagg accgtatgat gcgtgccgca atgttagcct 300
tagaccatgc attgacattc ac 322

<210> 26373
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B4

<400> 26373

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ggacaagaag acgttggcgg agttcttgca ggccgtgcca gcgtttctgg gcggtaaatg 120
cagctgcccc cgatgtgaga agcctcgtaa tagttcagtg gtgcaggcag gggaagggag 180
caagaaccag gctcgcttgg tcagcgttga tggcggatca cctgtcgtgg acttcgactt 240

cgatgaagaa gagatcccat caccttatag ctgcgagaac gccatcaggg ctgcgataat 300
 ctgcctgctg atggtgtgca tcttcacgc gtttctggct gggatgaacg accctgca 358

<210> 26374
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B9

<400> 26374

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 aagcccgtag tgggtcacat cacggacatg aactatgagc ctatcgcggc gtaccacttc 120
 gatttagcag gcacggcggtt cggcgccatg gccaaagaagg gcgaggagga gaagctgcgc 180
 aaggcgggca tcatcgacat gcagttccga agggttaagt gcaagtacga ctccaaggtc 240
 acctccacc ttgaaaagggt gtgcggcccc aactacctgg cgctgctggt caagtacgtc 300
 gatggcgacg gtgacattgt ggcagtggac gtcaaggaga agggctctga cacgtacgag 360
 cccctaaagc actcctgggg cgccatctgg aggaaggaca gcgacaaa 408

<210> 26375
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-C1

<400> 26375

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 caccgaccgt ctgtgcggtc aaatctccgg cgagcacaac gaccacaagg aaacacgaag 120
 cagccaaaga agagacggat gcgcctgccca aggcaccagc tgctgcagcc accgaggggc 180
 ctgctgcggg agcgcccatg acatggccgg atggcgggcc tgagtctgtc aagatgggtca 240
 tcaagaacct cttctttaa agcgcacctn catctggtag cgaagacggc ctaccatttg 300
 accccactcc agaaggcagc atgaactaaa ttaaatacca attacgagac cgaccagata 360
 tgcattggagc atgcaagaat gttgtcgaac gaatatatgc tatgaatggt tacatgtact 420
 ggctacatt 429

<210> 26376
 <211> 222
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C10

 <400> 26376

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 taacaatcta tgtatccata tatcaactta cacagagaag ttcactacga aagcgaaaga 120
 gacaataaac atcaaagttg aatcatgaga catatgcatg tacatatata taaatataaa 180
 agaacaatta tactgaatct cgatatgttt acgcatgcat at 222

<210> 26377
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C11

 <400> 26377

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 gcggggggagc cgcggcggtg gcggagatct gcatgaagac tccgtccccc gacctgtgca 120
 ccaggacggc ggggaagcac gccaaacaagt acaagggtgt ggacgcgggtg acggtgctag 180
 agatgcaggt ggacgcgttc aagaagcgcg tgaaggcggc gcggaggctc gccaaaggagg 240
 aggtcaagac ggccgcgacg cccgaggcgc ggagggcgct gaacctctgc aagacctact 300
 acctggacgc cgccgacaac ctcggcgctt gcaagcgcgc catcggtctc cgcgacgccg 360
 tcaccatccg cgccacgatg agcatggtgg cgcgatgacac gcagaactgc gacgaggagt 420
 tcatgaag 428

<210> 26378
 <211> 197
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C12

 <400> 26378

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 tcctcgacca gggacacttt caacaccaat cgcattccaca ttggcaacta aatcggcatc 120
 acaatcacca acaccatcat caacatcggg aacgactgca tctacatctg cccctgcacc 180
 tgcaacgtga acatcaa 197

<210> 26379
 <211> 314
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-C2
 <400> 26379

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 tggaggcccc cagcatctga tctcttcggg gctagagaaa tataggccgc cgccgcctac 120
 tactcattcg gtgaaagggtg cgcagttagg gttgggagat ctcttgcttc acgacacgag 180
 cagcagaatt tgctgagggc cgctggttgc tgcgagaggt ccgggccttc gtgggatctt 240
 gaaaattgaa tggttctaag gagtccaaag gtggcaaaga agaagtctag cagtagacgg 300
 tcctccctga tgta 314

<210> 26380
 <211> 362
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-C3
 <400> 26380

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 gtcacctggc agaccggacc tgatccttcc gatcccggtc caggctgacg agaagggtta 180
 tgcgtttgcc ctcaaggacg gcatccccta cagcttaacg ttctgcttca tcgtcttcaa 240
 caacatcgtg tcaggcctca agtacaccaa cactgtctgg aaaactggag tcaaagtgga 300
 gaccataat atgatgctgg ggacgttcat gcagcagcta gagccctatg tctacgaggg 360
 cg 362

<210> 26381
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C4

<400> 26381

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cgcagagcag ctgggagaaa ctgctgaacc agagggtcaag gtgctggacc tgaccattct 120
gtcacctggc ataccggacc tgatccttcc gatcccggtc caggctgacg agaagggcta 180
tgcgtttgcc ctcaaggacg gcatcccta cagcttacgc ttctgcttca tcgtctccaa 240
caacatcgtg tcaggcctca agtacaccaa cactgtctgg aaaactggag tcaaagtgga 300
gaccataat atgatgctgg ggacgttcaa tcccagcta gagccctatg tcta 354

<210> 26382
<211> 214
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C5

<400> 26382

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gggcccttac cggcctgac ctgggaggca ccaagtacat ggtcattcaa ggcgaaacctg 120
gagctgtcat ccgtggcaag aatggatccg ggggcatcac tgtgaagaaa acagggcagt 180
cactcatcat tggcatctac gacgagccca tgac 214

<210> 26383
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C6

<400> 26383

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gacctcaacg agcttctgct ccgacgacga cgacgtgccg ccacatccac atggcgagc 120

acgccgtcgc cggcggagcg gccgttcgct gcgcagggcc ggcgccggcc tcgctgtctt 180
ctagcaggaa gcagcagcag cagccccgacg acgccggctg cggcagcagc gacgaccact 240
accagcacga cgtgatcatg ctgaggcgga cgaggagcgg gcgggcgttc ccgccgccga 300
tctccgtgat cggcaagggc gggcgccgct ggctctgcct gcgggcgcac cgcgaggggtg 360
gacgcctcgt gctgcggcag atgcgcctgc cgtcgcata gctgctgcag cccctcaagg 420
agga 424

<210> 26384
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C7

<400> 26384

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gaacctgcta tgctcaggca tcccagatcc gtcagatccg ccgtaagatg gttgagatta 120
tgatcaacca ggcttctaca tgtgacctga aagaacttgt ttogaagtcc attccagaag 180
ttattggtaa agagattgag aagtctacct ccagcatctt cccacttcaa aacgtcttca 240
tccgcaaggt gaagatactc aaggccccca agttcgatct tgggaaactc atggagggtc 300
atggcgacta caaagaggat gttggtgtga aacttgagag gcctgtcgag ggagatgagg 360
ctgggcaaga ggttgctgct gccagatatt ttgtttgcta c 401

<210> 26385
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-C9

<400> 26385

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gttaccgggtg atctcgtccg ctcccagccg gatacctcgt tccattcaaa ggcgcccctg 180

gcgtgggtgt ctaccgaagg cgatccatac ttcattctcg acaacgtcaa cgagcgagat 240
gtctgggctg agttccaggc acaggaccat gtaagggcat tggcctcttc ttgctgagg 300
ttgcttgctc cttagcatgt ggtgatggga gtttcgtttc ttacatgat ctcatgctgc 360
ggtctattgc taagtccatc ttccccgcc gcgaacggng ggtctgggaa gcaactgcaac 420
gccac 425

<210> 26386
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D1

<400> 26386

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cgagcccgac accgcgaatc ggatccgccg acaaggcgag aggggaagaga tggggctcac 120
gttcaccaag ctgttcagcc ggctgttcgc caagaaggag atgcggatcc tgatggtggg 180
actcgacgcc gccggaaaga ccaccatcct ctacaagctg aagctcggcg agatcgtcac 240
caccatcccc accatcggat tcaatgttga aactgtggag tacaagaaca tcagcttcac 300
tgtctgggat gtcggggggc aggacatgat caggccactg tggaggcatt acttccaaga 360
caccagggt ct 372

<210> 26387
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B2

<400> 26387

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gggtgcattt acatacacgg ctggcctttc gagtgtctgg ctacgcacgc acatgttgtg 120
gatcttgtgt tcgtaacact atatggactc cctgagtcta ttatagaaat g 171

<210> 26388
<211> 68
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D10

<400> 26388

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ctaacccc 68

<210> 26389

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-D11

<400> 26389

gtcctcgacc atccctgcaa attaccgcta tggctcccaa gatcctagtc atccttgtgt 60

tcctcgccgt ggcctcaccg gctgctctgg ccgccttcga tgtgatagag atgctggccg 120

acaagcccac gtactccacg ttctgaagc tcctgcagga caccaaggtc gcgggcgagg 180

cgaatcagct ccggtcggcg acgctactgg tcgtccccga caaacttgcc aagcctctgg 240

cgtcgctgcc cgccgataag gtgcggccgg cggtggagaa ccacgtcctt ctcagttact 300

tcgaccccat caagctggac gagatgaaga cacgcaccgt catcctnccc acgctgctct 360

ccgtcaccga caagaaactc ggcgtcctca actacaccag ggccgacgac gggcagatgt 420

acttc 425

<210> 26390

<211> 201

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D12

<400> 26390

cctgtgctta tcttttctta tatatatacc accattttaa ttctcgacgg aatTTTTTTTg 60

accaccgtga gctgtcatat atgtcgtcca ttgatttgtg ttaatctgac aaaagacgtt 120

gaaaaaaaaa aaaaaaaaaa aaaattataa aaatcaaaaa aaaaaataata aaaaaaaaaag 180

cggtcgttct aaatgttcca a 201

<210> 26391
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H5

<400> 26391

ggagagaact agcaaaggga aaatggctgc ttccacaaac aacactctca ggggtgctgtt 60
caccctaatt gttgcatgcg ccgcagtatg cacagcgaaa aggaccgtat caaagacagg 120
agacttggcg ccagtccctg ctgcattagg agcaggaggc gccaccgcag cccagagaagg 180
tgcagctaga gccagcagga cgttcgacat atcgaagtgc ggcgcgacca gcgacggcaa 240
gacggactcg acacaggtgg tccaggacac gtggacgtca gcgtgcggag cgatgggaga 300
cgcatcgatg ctcatcccca agggcgacta cctggtgggc cctctctact tcagaggccc 360
gtgcatgggg gaca 374

<210> 26392
<211> 243
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H6

<400> 26392

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agtggccacc cttgtggtca tgaccggcaa agcaggcctt gacacagttg tactggtgaa 120
caatagccat cacctcacc ttgatgctga cttggagtgt cctcctggta ccagcgcttt 180
tggtcacgtc gaagtgtatc ctaacaggct gctgcttgta ggttttgaca caatggctga 240
tac 243

<210> 26393
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H7

<400> 26393

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tgagaaagga gatgtaacat gtgaaatatg tcatgagcct tatgaacatg ggtacactgc 120
acctcccaga ggccatcctg atgaaactac cattgatata agtgggtgggt ggacaattac 180
cggtagcgta tttgacttgc gtgacccctag gatacttgca gtggcacaaa accacatcat 240
ggaagctgaa tatgatgatt attctgccac aaatgcgagc actgctgact tctgccgctc 300
tgctgctctt gttttaatgg ctctcttatt gttgagacac gcaactgactc taactgatga 360
agatgacgac gacacttttag cgatgttttc actttttctg ttgcgtgctg ctggtttcct 420
gcttccgttc tacatcatgg cttgggca 448

<210> 26394
<211> 394
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-037-Q1-K1-H9
<400> 26394

aaggaatgca atcctttctt gcggacctcc aatccagaaa ttaagagaac actgtccgtt 60
ccagatcatt tcgatgaaga tcgggtgctt ggagttgtcc gtcgagcaaa agataacttc 120
tgactaacia aaggaaatgc tcgtgacgta tgacctatat cttgttgaag ttcagacaga 180
gaacctaagt cacaataaac ataggaggaa atgaaggat atagtgttga gctagatttt 240
gaaatgcttc ggcaaaatta tgtcgagtgt atgtagcttg ggcagtgcag tgcttgtcta 300
tagcaaccaa tgattctttt gaccactaca aataagcgtg ttctgctatc atctactctt 360
tgtaaaaaaa aacgccacgt agcccgttca tagt 394

<210> 26395
<211> 349
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-A1
<400> 26395

cccacgcgtc cgcaagaaca tggggttcca caacacggcc ggcgcggagc ggcaccaggc 60

ggtggcgctc cgggtgcagg gggacctcgc ggcgttctac aactgccggt tcgacgcgtt 120
 ccaggacacg ctgtacgtgc acgcgcggcg gcagttcttc cgtaactgcg tgggtctccg 180
 caccatcgac ttcatcttcg gcaactcggc ggcggtgttc cagaactgcc tcatcatcac 240
 gcggcgggccc atggacaacc agcagaactc ggtgactgcg cacgggcgca ccgaccccaa 300
 catgaagtcc gggctcgtca tccagaactg ccgctgggtg cccgaccag 349

<210> 26396
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-A10

<400> 26396

ggtgaaggtg ttcagcaggc attgctgata atgctggaag gcacgatagt caacgttcct 60
 gaaaaaggag caaggaagca tcctcgtggt gataatatac agatagatac caaagatatt 120
 ctttttatat gtggtggcgc tttcgtggat ttggagaaaa ctatatcgga gagacggcag 180
 gattcttcta ttggcttcgg cgcaccagtt cgtgcaaaca tganggtcgg tggcacttca 240
 agtgctcaag tgacatcgtn cttgttgaa tcggttgaga gtggtgatct aatagcttat 300
 ggacttatcc cagaatttat tggacgtttc cctatccttg tgagcctaac cgctctaaat 360
 gaggaccagc ttgttcaggt tctcactgag ccaaagaatg ccctgggtaa gcaattcaag 420

<210> 26397
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A11

<400> 26397

cggacgcgtg ggggccgccc tgccggttct tcccagctgc agcaaccggc cagtgcgcgc 60
 ggttgcggtg catttgcatg gctgcgcgct gcgctctggg agcttgcaact agcgggtcgg 120
 cggcctaggc gcggggcatt tttcagtgct gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggagg aaactgaccg ccgccttctc gctctcgtc tetaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgtccaca ccataaagca ggacgtacag 300

acacgtgtac gagggggatc acggtcgggt gaggtgacta agctggcgga cggaacgacg 360
acgatggcga ggagcggcgg cgggatggaa ggcagcggcg ggctgaagaa ggtgccgtgg 420
acgcag 426

<210> 26398
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A3

<400> 26398

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tatcgtggtc tgtacttttg gctctgtgat tccatcaagc cagttgtcct tactggcaac 120
ctccaggaca atttctttgc cagtttcgct ctgggttggc tgatcactaa tgggtgctgg 180
cttgcatctt accccatcga taccgtccgc agaaggatga tgatgacatc tggtgaggct 240
gtcaagtaca agagctcctt ggacgcgttc cagcagattc ttaagaagga atggccaag 300
tccctgttca aggggtgctg tgctaacatt ctctgtgcca ttgctgggtgc tgggtgtgctg 360
tctggctatg accagctgca gatectcttc ttcggaaaga agtcgggtcc ggcagtgctt 420
aaatg 425

<210> 26399
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A4

<400> 26399

gatgaaggaa cgtaagaaca gggcgaagaa tatccgtggg gtgaagaaga caaaagcggg 60
agatgccaag aagaagtaag ggaggaagtt acttgccttg ccatttctca tcttagtctt 120
tggtttgttt aggggtgggt ccttccggca atgctgaatg tttagttaga agtagagaag 180
attttgccaa ttacccatca cgttgagttt ctctgttcac cttctgttca gttttgaggc 240
accttctgtt cagttttgag gcactttgtc agacacaaga atatataac ttgggtcatca 300
cggcttttgt cctgctag 318

<210> 26400
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A5

<400> 26400

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atgaagaaag tggcatcatc gtcagccgtt ctcttcgtgc tagccctgac gctagtttgt 120
gccccgctga tagcagagggc aaagaagaag agagtcgccg ccgccgccgc cgaggagaag 180
aaggtgcagg acaacttctg ctgcacgctg tgcgagggca ggaaggggat ggacctggtg 240
gtgtgcaagg agtcctgcga cctctcacag cgctccaacc tgggtgctgta cggccggatc 300
cagtgcagg gcaagtgcac cgagcagaag ggcatcaccg cgccgcagat gaaggtgtgc 360
caagaggcgt gcgacaagga ctacgtggtc aaggcggctg atgtcacc 408

<210> 26401
<211> 96
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A6

<400> 26401

cccacgcgtc cggcggatga gtgcgacggc tacgaggccg gcccgctggt cgccgccgct 60
ggaaccggaa ccggaaccat tcccggttga acccgg 96

<210> 26402
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-A8

<400> 26402

cccacgcgtc cgcccgctggc cgccacgaac tgcttcaacg cgacgtgct gagggccacg 60
acgcggcgctg cgctggcgag gtacgatggc ccgtgcttgg cgaccaaccc catcgaccgg 120

tgctggcgct gccgcgccga ctgggcgacg gaccggaagc ggctggcgca gtgcgcgcgc 180
 gggttcggcc acaggagcgt cagctgcgcg gccggcaagc tgtacgtggt gagggacccg 240
 agcgacgacg agatgatcat cccgcggaag ggcacgctgc ggcacgcggt gatccaggac 300
 cggccgctgt ggatcgtgtt cgcgcgcgac atgggtgatcg agctgcggca ggagctgac 360
 gtgaaccaca acangacgat cgacggggcg ggcgcgagg tgcacatcat gttcgcgcag 420
 atcacgc 427

<210> 26403
 <211> 357
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A9

<400> 26403
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 ggtttcgttg ctttttcatg gctgctcgtc gcgctctggg agcttgcaact agcgggtcgg 120
 cggcctaagc gcggggcatt tttcgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggaag aaactgaccg tcgccttctc gctctcgtct tctaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgttcaca ccataaagca agacgtacag 300
 acacgtgtac cagggggaac acggtcgggt gaagtgacta aactgggtga cggaacg 357

<210> 26404
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B1

<400> 26404
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 caaataaaat caaactgtgt gtttttagcg ggcaagtgat tggacgaaat gtaaaaaaga 120
 acgaaaccag aacagcagcg cgaaaaaaaa aaacaattca cgattctttc gagtaactgc 180
 aaaaagaaaa ttgtaaattg gtagcaactc gtttcttgcc cttggtggca ggattgaata 240
 aactgatcga tacggggagc tgttcaattg 270

<210> 26405
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B11

<400> 26405

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cgaagatacc cttctggcca ctgcgcacct acgcgattat cgtctagccc cctatcgcg 120
ggttaccggt gatctcgtcc gctcccagcc ggatacctcg ttccattcaa aggcgccct 180
ggcgtgggtg tctaccgaag gcgatccata cttcattctc gacaacgtca acgagcgaga 240
tgtctgggct gagttccagg cacaggacca tgtaaggga ttggcctttt ctttgcgtgaa 300
gttgcctgtc ccttagcatg tggatgatggg agtttcgctt ctttacatga tctcatgctg 360
ctgtcta 367

<210> 26406
<211> 228
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B12

<400> 26406

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atccatatat caacttacac agagaagttc agtacgaaag cgaaagagac aataaacatc 120
aaagttgaat caggagacat atgcatgtac atatacataa atataaaaga acaaatttac 180
ggcgtctcga tgtgttttac catgcatata tccgcatgca tgcattgc 228

<210> 26407
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H4

<400> 26407

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tatgagcatg tattactaca taatcatatc actattgcag gaagtgctct attttttcaat 120
cgacaaactt ctctggctct ggactgacag ctattttgag catccgatct cgaacactct 180
gcttcattga cttgcatttg cagctatctg gtttcaaat gccagcctgt atcacttgac 240
catgtcgcat gccttccatc gctaggagcc cattatagca actgaggacg acgtatgcgc 300
accatctagc cgattgccga aaggcgctcg ttgaagcgag gatggtcgag agtctatata 360
gcaccggcgt ccgatatact gca 383

<210> 26408
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G1

<400> 26408
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ggcaatggca agacagacag cacgaaggct gtgcaggagg catgggcatc ggcgtgcggc 120
ggcactggga agcagacaat cctcataccc aaggcgact tccttgctcg acaactcaac 180
ttcacaggcc cttgcaaggg cgacgtgacc atccagggtg atggcaatct gctggcgacc 240
acggacctaa gccagtacaa ggaacatggt aattggatcg agattctacg cgtggataac 300
ctggatcatc ccggcaaggg aaaccttgac gggcagggcc cagccgtgtg gagcaagaac 360
tcctgcacca aagagtacga ct 382

<210> 26409
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G10

<400> 26409
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gatccgtgtc cgtgcgagac gcgggagggg ttggcgcccg aggctgaccg ggatgttctc 120
cggcgactgg acgcccgcgt gcggcagctg ctgcaccaag aaatacgcca gcctcgtgca 180
gatcccatgg aggggtgttct gcaagaaggg gtgcaacgag gacggcgaca cctgggacga 240

gtgcatagga aaatgtactg aaatatgcta caaagatccg gtgttagaag atcgccagtg 300
gagcgcttac attgatcgat ctccagggca agatagctac tctttggaat gcttcaatgc 360
ttgtgtgtct ggctgtggat tcagatttga ca 392

<210> 26410
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-G11

<400> 26410

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caaatctcct cctccacccg ttccggtag ctcaccacca ccactactaa aatcgccctcc 120
acctcagta tctatgagtt taccacctcc atctgtgaaa tctccaccgc cgttgccacc 180
aaggtcacct ccagcgccag tgaaatcacc acctcctcca ccaccagtaa gttcgccgcc 240
accaccagta ccggtgaggt caccaccacc gccaccacca tcaccgatta gttcaccacc 300
gccatcaatg aaatctccac cctcaccagc acctattagc tcgcctgccc cacctaccaa 360
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agcatatgtg agtgaaccgn ctccaacggt gaaa 454

<210> 26411
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G12

<400> 26411

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catgaaccac tgcattgtcg acggcatcgg cgccatggag ttctgtaact cgtgggcgga 120
gacggcgcg cgggtcgccg agtcaccgt gccgccgttc ctggaccgaa gcgtcctgaa 180
ggcgcgcgac ccgcccgtgc ccacctccc ccaccagag ttgcgcgaga tccccgacgt 240
ctccgacacg gcggcgctct acggcgcgca ggagctgctg taccgctcct tctgcttcga 300
cccggaccgg ctggagcgcg tgcgcggcct tgcgctcgcc gacggcgccc tgggcgctg 360

caccaccttc gaggcgctgt cggggctggg gtggcgcgcg cgcac 405

<210> 26412
<211> 415
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-G2

<400> 26412

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cgggcagcgc aggcagacgg actgcgggag tcacctgcat ggccctcagct gctactgcaa 120
ccctcccaaa ggttcacttg aggccaagat gcaacagcta ctttcaggtg accgggtcaag 180
tccatgccca caccaaaaca tgcgggtgcct gcaagtgtcc gacctatatt cacgggttgc 240
tcgtttcaac tggaggaaag aggacattcc tgccggtgtc tgcagctgga tcagggtcaag 300
gctcatcggt cactgatgcc gacaggaaga acgatttgtc gatggagaac gtccagacgt 360
tcgttgata cgcgcacggg gaaaagatta atgtacgagt gcatntgcct ggaaa 415

<210> 26413
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G5

<400> 26413

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ctaccggtga cgggggatac ggccggcatcg tcccctcctc catccccggc gcgcgggagc 120
cagcagccgt cctgcagatc agtcaacaa agataacctt gcgcgcctc ctaagaagat 180
caagactacc cagccagggt ctacagacc tcaaaacctt aatcgttaga tcatcgccgt 240
tctcatgaag aattccggag gaggcgccc ccatggcgat ggcgggcgaca tctacaatgt 300
ccgggccgtc gagatcctcg ccaacgaggg cctcctgctc cccatcaatg aggccgtccc 360
aatctacgag aatctgctcg ccactttccc cacggccgcc aaatactgga agcagtatgt 420
cgaagcctac atggccacca acaacgatg 449

<210> 26414
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G6

<400> 26414

agaaggactt cacggacatc aacgtcacgg attgcactct taagaagacg atgctcggcg 60
tccgcatcaa ggcgtccgag gacgccgtct tcgtgctcac cgtctccaag atccactacg 120
agaatatcaa gatggaggac tcagccaacc acatctccat cgacatgaag tactgccccca 180
acaagttgtg tactgccaac ggagcctcca aggtcacctg caaggatgtc accattaaga 240
acatcaccgg cacctectac acacgcgagg ccgttagcct gctctgcact gtcaagggtcc 300
catgcaccgg cgtcaccatg gatgacgtga acgtcgagta tagcggcacc aacaacaaga 360
ccatggctat atgcacgaac gccaatggca gcaccaacgg ttgcctcaag gagcttgcac 420
gcttat 426

<210> 26415
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G7

<400> 26415

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gttctccggg gttcggtttc gtgggtgagc ggatcgagat ggccggcgtcg gatgttgagt 120
accgctgctt cgtcggcggc ctgccttggg ccacggacga ccactccctc cacaacgcct 180
tcagcaccta cggcgaggtc ctcgagtcca agatcatcct cgatcgggag acgcagaggt 240
cccgcggctt cggcttcgtc accttctcca cggaggaggc gatgcggaac gccatcgagg 300
gcatgaacgg caaggagctg gacggccgca acatcaccgt caacgaggcc cagtcccgcg 360
gcggccgtgg aggcggcggc ggcggcgggt acggtggtgg ccgtggaggc ggcggctaca 420
gcggtggcgg gcgccgt 437

<210> 26416

<211> 389
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-G8

 <400> 26416

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 aggaagcttt tattggctctg actgctggag caattgggtgc ttgttttggg agtcctgctg 120
 atctggcact cattagaatg caagccgact cgaccctgcc agctgcacaa cgacgcaact 180
 ataagaatgc tttccatgca ctctaccgta tcagtgtctga tgagggagtc cttgcgcttt 240
 ggaaggggtgc atgttcaact gtggcgagag ctatggcact caatatgggt atgcttgctt 300
 cctatgacca gagtgtcgag ctatttaggg acaaatttgg cgcattgagaa atttctactg 360
 gtgttgagac cagagcttgt tctggattc 389

<210> 26417
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-G9

 <400> 26417

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 gtgtgttgtt tgcattctta gatgtttgcg atgtgggaga tgtatcgaca gtgagtttga 120
 atttgaagag acatTTTTTtC tggggagcat ttgccgtgac tgtgtcaagt attcaccCCA 180
 ccacagaaaa atagatgttt gattctgtta tccattggat ggatacagtt gtaacattgg 240
 atttctgtga ttgatgtcc catccatcag acatcttgac tgagtatttc taacaaggaa 300
 aaaaaagaga gaaaggtcta ccagtttgct atcgggtgtan gtgcagcagc tgatataTnt 360
 gttttgcttg cangaaaaac gaagaataac agtataacct aagaaatcag aagatcaaag 420
 tatggtttcc gtatcatggg gtcagcagtg aatggtgaca actg 464

<210> 26418
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H1

<400> 26418

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ttgcgcaaat tggacatcta ggccgtgctg atcctgcgat gaaaggcgcc gtcacgaggc 180
catcgaccgt cctggtcgtg gcggtggtgg ccaccatctg cgtcgtttcc ttcaaaggca 240
gcggcgatgg cgggagggcc gaagagggcg agatgtccac gtcggtgaag tccatcaagt 300
ccttctgccg gcccggtggc tacagggaga cgtgcga 337

<210> 26419

<211> 361

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-H10

<400> 26419

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cgccggcgac gactacgaca gcggtctaaa cagcaagtcc ggcactgatg actacggccg 180
tggcgaaagg ggctacaaca agtcggggcg cgatgacgac tacggccgca gggcgggcga 240
tgggtacggc aggtccggcg gcgacgacta cggccgtggc accggcgggc gtggctacaa 300
caagtccggc ggcggagacg actactgccg cagcggcggc gacgactacn gccgtggcac 360
c 361

<210> 26420

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H12

<400> 26420

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 cttcgagatg acaagcagtt ctttgtggat catcctggtg ctgttcctat cactactgct 180
 cagggagagg agctaagaaa gcaaataaggc gcgccatact acatcgagtg cagctcaaag 240
 acccaactaa acgtgaaagg tgtcttcgat gcggcgataa aggttgtgct gcagccgcct 300
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 gatc 364

<210> 26421
 <211> 322
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-H2

<400> 26421
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 gtggacatcc ttcgacacca ctctgacagg cgtactgcag gaagagcatc accatggcct 120
 tgacgccagg ttcttgcgc agatcgatgg cctatcagag gtagcagcat actatccaac 180
 tgccaccgat taggccagca tatggcagtt cgaccagatg ggactttcag agaccttaga 240
 cgagcagggtg ctttctnecat tgcagatgag cagcagtgca tatgccttga tgccgatcgc 300
 tacagactat gatgagtgct tc 322

<210> 26422
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H3

<400> 26422
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 cgtgaaactt ctctggctct ggactgacag cttttttgag catttgatct cgaacactct 180
 gctttattga cttgggttttg cagctatctg gtttcaaaat acgatcatgt atcacttcag 240
 catgttgatg gcttcccatg acttgagacc cattatagca actgatgacg acgtatgcgc 300

accatctaac cgattaaaga aaggcgctcg ttgaagcgag gatggtgggg agtagatctc 360
gcaccggcgt tggatatcgg acagggggaa gaaggcactg agggccaaaa accaccacaa 420
cgggtga 426

<210> 26423
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F9

<400> 26423

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aggcatggag gggaaggagg aggacgtccg cctgggcgcc aacaagttct cggagcgcca 120
gcccacggc acggcggcgc agggcacgga cgacaaggac tacaaggagc ccccgccggc 180
gccgctcttc gagcccgggg agctcaagtc ctggctcttc taccgcgccg gcatcgccga 240
gttcgtcgcc accttctct tctctacat ctgcatctc accgtcatgg gcgtctccaa 300
gtccaccttc aagtgcgcca cgtcgccat ccagggcac gcctggctct tcggcgccat 360
gatcttcgcc ctggtctact 380

<210> 26424
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E5

<400> 26424

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ggtcgccacc gtcacccact ccggcaagaa ggccggcgac gacttcaccg tcccggggga 120
agcctccatt gccacgtccg gcaagtcggt cgagtccctg tgcgcgccca cgttgtacaa 180
ggagtcgtgt gagaagacgc tctcccaggc caccaatggc accgagaacc ccaaggaggt 240
gttccacagc gttgccaagg tggcgctgga gtcggtgaaa acagcggtcg agcagtccaa 300
gacgatcggc gaggctaatt ccagcgactc catgaccgag agcgcgcggg aggactgcaa 360
gaagctcctc gaggacgccg ttgacgacct catgggcatg ctcgagatgg ccggcgccga 420

catcaagggtt gctatcagcc ggtc

444

<210> 26425

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E6

<400> 26425

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taaaactctc gccgccgcca tccgagcgaa caagccaacc gaccccgctcc ccaaggcaat 120
ccgccgccga cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc 180
gccgtcctcg tcgtcatcgc cgcctcgggc accgcagtgc tggcctgcac cgaggccgcc 240
gccgcggggc ccccaactgc ctccgagtcg tccgccgagg ctcccgtgg cgctggcgct 300
ggcgctgccg ctggcgccgt cgcctcgggc cctccgcca gcagcggcgc gccgcacct 360
gacgccgcgc ccgccgcgt cctcttctgc ctactgcct actacctaca ctaagcgtgt 420
gcgtgcg 427

<210> 26426

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E7

<400> 26426

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gtttcgtggg tgagcggatc gagatggcgg cgtctgatgt tgagtaccgc tgettcgtcg 120
gcggcctcgc ctgggccacg gacgaccact ccctccacaa cgccttcagc acctactgcg 180
aggtcctcga gtccaagatc atcctcgatc gggagacgca taggtcccgc ggcttcggct 240
tcgtcacctt ctccacggag gaggcgatgc ggaacgcat cgagggcatg aacggcaagg 300
agctggacgg tcgcaacatc accgtcaacg aggccagtc ccgcggc 347

<210> 26427

<211> 446

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-E8

 <400> 26427

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 acggcggcgt ggggtataa cccggccggc gaccacggac cgcgactacg atcttcatag 120
 tcgaggccct gctaccttgg gccccgaggt ccttgacatt tcaatgtgga gaaaaggata 180
 taccgtgcct ttattttgaa taatagttat ccaagaatth gttctaggcg aattcgatga 240
 cgacgcgact gctgcatacc atgaaaatat cacttctgag ttagttgacg atgaccatca 300
 tgtgaaagat atatctcaga ggtatcatgt tcacttgtat acaaattggga ctgtatgcga 360
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 gattagttca gtcaaggaga tctctt 446

<210> 26428
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-E9

 <400> 26428

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 tggccgaatc atggtgaatc ctctgtgcgg ttgctgggtc tatgctgcct tcagggtggct 180
 aaacaccgac aacttgaagc ggccaatcaa acctttggct ggatgctgca agtttagagt 240
 gcagtagaca gtgttttttc tgtgtggtca ggaaaagaag aacaccgctg gcggcatgaa 300
 gcctgccaaa aaagtttgta tctgcctgtg cctgagaagt gtgcccttgg tgtgcacact 360
 g 361

<210> 26429
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-F1

<400> 26429

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ctgaagcgcg cacatatata ttcttgccaa gataaaggta atggagtcga cacgcatggt 120

ccagcacggt cgtgaccta cttatactga tcattgtgta caccgatatg gcgcacgcaa 180

gggaatgcga gaagtacagt gagcgatttc ttggagcatt catgatcgca gacaactgcg 240

ccaatgtgtg ccgcgctgag ggcttcttgg ccggcagggtg cagcaccttc cgccgctgat 300

gcatctgcac tatgcagtgc taaacaagat cgatcgatcg ctcgacatgc attgacaacc 360

tattcttaat aacgttcatt atctcgttct tatctatgac taatgtcatg tatgtcctcg 420

tgactgacat gtatatt 437

<210> 26430

<211> 338

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-F10

<400> 26430

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gattgcaaaa ttgtgtgatg tgtattcgat ggagcgtctt cttgatgatg agagtgaggg 120

acagggtttta tcggtcctga gtgaagctgg gcttttttggg ttgtggtggat tgctaaaaga 180

tatggttttc ttctgtagca ccgtgaatgg tcgtacatat catgatcggc aactcgagcc 240

tgattggcat atttacacga gtccttgaga tgnrcaccaa tgagctaggt ttatcaaatt 300

tcaactgcac atcttcccgc agcgacctga aagaatag 338

<210> 26431

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F11

<400> 26431

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aggggcaaaa ttctgtgatg tgtatttgat ggagcgtatt cttgatgatg agagtgaggg 120
 aaagggtttta tcggccctga ttgaagctgg gcttttttggg ggtggtggct tgataaaaga 180
 tatggttctc ttctgtagca cggatgaatgg ccgtacatct tttgttcgtc aactcgagcc 240
 tgattggcat attgacacta gtcctgaagt tgatcactaa ttagcttggg ctattaaata 300
 tcaac 305

<210> 26432
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F12

<400> 26432

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 ggcttccctt gccacgtccg gcaagtcggg caagtccctg tgcgcgcccc ccctatacaa 180
 ggagtcgtgc gagaagacac tgtcccaggc caccaatggc accgagaacc ccaaggaggt 240
 gttccacagc gtggccaagg tggcgctgga gtcggtccag acggcgggtc agcagtccaa 300
 gtcgatcggc gaggccaagg ccagcgactc catgaccgag agcgcgcgcg aagactgcaa 360
 gaagctcctg gaggacgccc tcgacgacct gatgggcatg ctcgagatgg ccggcggcga 420
 catc 424

<210> 26433
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F2

<400> 26433

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 ggcaccatgt ccggctcctt gtatacagct acgatgaatc cacctcagtg ggaatctcac 120
 tgataccttg gtgcaaccca ctgctttgag caaccacctc tgcccgactc aacactgcca 180
 ctggcatatc catacagcgg cacgatacat ttccaagatg gagcgcgcgc tccaggcctc 240

atcaagggca catattgaat tcggatcatc cctgcctctg accagagtgg attttgaatc 300
 tgcagatggc tctatcacct atacaaatgt acgagctgac attctgcatt cattgcatg 360
 ccaaccgaaa cc 372

<210> 26434
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F3

<400> 26434

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 tgagggggcat gctcgagatg gccgtctgcg acatcaaggt gctgttcagc cgggtccgacg 180
 acctcgagac ctgggtcacg ggcgtcatga cgttcatgga cacctgcgtc gacggcttcg 240
 tcgacgagaa gctcaaggcc gacatgcact ccgtgctgcg caacagcacc tagctcagca 300
 gcaacgcgct ggccatcacc aacaagtcta gcaggatccc tgataaaatg gacctcatgc 360
 atgttcagca aggactcgcg ccgcctactg ctgtcgtagg atcatgatta gaaaggctgg 420
 cccgtgtgga 430

<210> 26435
 <211> 132
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F4

<400> 26435

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 gcatgaccga aagcgcgcg c gaggactgca agcagctctt gcaggacgct gcatacgacc 120
 tgatgggcat gc 132

<210> 26436
 <211> 228
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F5

<400> 26436

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agttccaagc cggccttatt cctgttcttc cggttaatgg gttcaaccat tttgcaccag 180
ccaaggaatt ccaaaagtgc catgaaccaa ttggttgggc ctctctta 228

<210> 26437

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F6

<400> 26437

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ggtcgcaacg catcctctgg atttgcgcc tgggcagcgc cgtgagcctc tacttcgtgg 180
cgggtggagag gcaggctcag aatcgtgccc gggcgggtggc ggagggcctc aaggcgctcg 240
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tttgtagaat taaatgtgga tcaatgtgag tgttctccta tttcacataa ttcactgag 420
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<210> 26438

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F7

<400> 26438

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cacaaatcct gtgtgaggtc tcaagggcag cgagcacttg ataatgtgcg cgctctacct 180

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<210> 26439
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F8

<400> 26439

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<210> 26440
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E4

<400> 26440

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cgggcgtctt tccatgagcg gccggtttaa ataggccggg gacaaagatc gggcgcaggt 300
gctggctggc acgcatcagg tttggctttc ttttggtgct atctatctcc ttgttccctc 360
ggattgtcct tgtcgttgt 379

<210> 26441
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D12

<400> 26441

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cggccttggg gagcgcccag atagcctgga cgtccgcggc gttgcggcga agccgggagc 180
ctcgtctagt gccgtgaggg cgagcaagac gcgcgcccac gctgcgggtcc ccaagatgaa 240
cgggtgggggc aagtccgcgg tggctgatgg ggagcacgaa accgtacctt cttcgggtgcc 300
gaagactttt acaaccagct ttccgactgg agcatgctcc ttgcggccat caccactatc 360

<210> 26442
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D2

<400> 26442

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tgtacgtagg ctgggaacat gtgtttgggt ggatgatgat gatgatgctg ctgctgctgc 240
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gacccgtttg gggtgagtaa ctctcgagtg tttttcttcc catgggtgat cgttttccctg 360
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ataattataa 430

<210> 26443
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D3

<400> 26443

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gaaccccgag aagagcatag actccctcca cgtcgatggc tactccttct tcggcgctcg 180
gatgggcccc gggtaagtgg tcgccggagg tgaggaagac gtacaacctg ctggacacgg 240
tgagccggca cagcatccag gtgtaccgc ggtcatggac ggcaatcatg ctgacgttcg 300
acaacgcggg catgtggagc gtgcattcca acatctggga gcggttctac ctcggggagc 360
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<210> 26444
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D4

<400> 26444

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ctacctcttg tgcacttacc tcgcgactaa gtcctcggc cgcacttact acaccgtgga 180
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caagaaggtc tatggcatga cgctcatgct catggctctc tgctccgtcg cgtctgggct 360
ctcgttcggc cacaccccg cgtccgtcat ggcgacgctg tgcttgttcc gcttctggct 420
cgagttc 427
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<210> 26445
 <211> 404
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D5

<400> 26445

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gcagattaca ggcagcatca tcatcatcta ataataataa ttcaatatta ctgcccacat 180
tacagcacca acgacctatg accaaaccac ggagctcctc tccatggaag cgaacggtga 240
caaaaacacg ccaaaatgga ttttaaaaaa aaaaacctca agagcgacat tgcgcgcaac 300
gtcatcctcc tccgggcagt ctaggaagcg gcggcaggga cagcaggggt ttcctgctcc 360
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<210> 26446

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D6

<400> 26446

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gtcctgtcta tgtatgccag tggctgtacc acaggtatcg tgctcgactc gtgagatggc 180
gtcagccaca ctgtcctcat atacgacgga tacgtctctc tccacgccat ccttcgtcta 240
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<210> 26447

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D7

<400> 26447

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tgtccgcccg cgcccgccgc aatggcaggc ggcgtgggtg tgaacgcggc cgggggcaag 120

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acgtaccccc gccgcatgac gccgttcgtg ttcttcacct gcctggtggc gtcacgcggc 180
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ctcaaggagt tcttcccttc cgtgtacgcc aaggcggcgg cgaacaagga cacgaaccag 300
tactgcaagt tcgacagcca gctgctgacg ctgttcacgt cgtcgctgta cctggcgggc 360
ctggcgacgt cgttcgtggc ggcgtccgtg acgcgggtgt tcgggcgcaa gtggtccatg 420
ttctgcggcg gggtg 435

<210> 26448
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-D8

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caagagccac ctgggcagct acgacggcga gtgccccttc tactgctcct actcgggcta 120
caacgacgag ctgctgtggg ccgcgacctg gctgtacctg gcgacgaggc ggcaggtgta 180
cgcggaacttc atcgcccacg aggccatctc gtcgagcgtg gccgagttca gctgggacct 240
caagttcccc ggcgcgcagg tgctgctggc cgagttcaac atgacctcgg cgggcggcgc 300
gcagaacttc aagtcgcagg cggacaactt cgtgtgcgcg gtgctgccgg acacggcggt 360
ccaccaggtg ttcatcacc cgggcggcgt gatccacctn cgcgacggcg ccaactcgca 420
gtacgtgacc agcacggcgt tctgctgg 449

<210> 26449
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D9

<400> 26449
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gtgcgacaag gcgtacgtgg tgaatgctgt cgaggtcacc aaggcctgca gcgtcacctg 180

cgccaaggag aagaacccgc gcctcagcga gaactgcaag aggtcctgca cccctcctcc 240
 ttcttgaagc gaacccctt gaaatgaatg aaccatgcat gcatgcatgt atgcatgcgc 300
 cggggtgacg tggcgttcag ctcaagcgct gagcgagtct atacgtacgt cgtcaccggc 360
 tggccacgca tgcgataacc atctgatatg gacggaacta tatattgtat ttctattaat 420
 cttgcatttt ctaagctaaa tgggtttttt 449

<210> 26450
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E1

<400> 26450

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 tgtggtcgcc caagcgctc atgcagcgcg ctgcccgcgc ttccgcgcgc agcaggtcgc 180
 ggcgcccgcg tcaggacggt caaggacctc gccgaggaac gggcctcagt gctcgccgcc 240
 agcagcaagg tctctgatga ggcggcgcg gcggtaccg cggtgccgcc tgcaggtgcc 300
 aagaccttca gcagcaacga tgcccgcgac ggcgccatgg gcagcgtgca ggacgagccg 360
 cggcagcagc gccacgatga ctatcacccc gagatcgtcc ccgagaagat catacacg 418

<210> 26451
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-E10

<400> 26451

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 agaacattga agcattatgc aaattgatga gtacaattgg tgatatgatt gatcatgtaa 180
 aggcaaagga gcacatggat gcctatttta gtatgatgca gatgatgtca acaaatcaga 240

agttgtcttc tcgtgtaagg tttatgttga gagattcaat cgacctcaag agaaataaat 300
 ggcagcaaaa gcgtaaagtc gaaagtccca agaagattga tgaggttcac agagatgcag 360
 cacatgaaag acatgcccac tcgagtaggt tgggacgtgg tcagctgtta agtctgttcc 420
 aagaagagca catnctatgg at 442

<210> 26452
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E11

<400> 26452

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 acagcgacat attcaagtgc tacgacagct gctccgacga cgtggaggag gccgtcgccc 180
 acctcaacgg cctcgccggg gagcccaccg acgccaagtt cctcgagctc aagtcgtggc 240
 tctcctccac gtcggcggc accttcacct gcgaggacgc ctgcaaggac ctgccaaga 300
 ccagcgacaa ggacgacgtc gtcaacttca gcctcgactt cgagaagctg cagcgcgtca 360
 cgctcgacct catcacgag gcgttcggca ccatgtccgc aggcattctg ctgccaccct 420
 tcaacgcggg agcgcccttc ta 442

<210> 26453
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E12

<400> 26453

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 gcaacatttg gtggctcagc tagtgtgaag cccatgacaa tgggtccaat gccaatggcc 180
 atgcctatgt caccagctcc tctcaciaag aagccaactc cagcagcagc aactcctctt 240
 tgtggtaaaa gtgataccga taacttgaag atggctaaac aggtgctgaa tgaagatata 300

tcaaagttgc aatctcaggt taataaactg aaacaaaaat gtgatgccca agaagagcaa 360
ctgcagaaag cggaaaggag agctgaacat tc 392

<210> 26454
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E2

<400> 26454

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actggtctac agggcttcct cgtcttcaac gctgttggtg gaggaacagg ctctggcctt 180
ggttccctcc tcttgagcgc tctgtctgtt gactacggca tgaagtctaa gcttggtttc 240
actgtgtact catcccgcca agtttcgacc tcagtgggtg agccatacat cagtgtcctg 300
tccaccact ccctactcga gcacactgat gttgctatcc tgctggacat cgaggccatc 360
tatgacatct gccgactgtc ccttgacatt gatcgcccaa tcttactaa ccttaacagg 420
cttgtgt 427

<210> 26455
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E3

<400> 26455

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ccaagcccg tttctcttct ctatcgccg tcccgcacta gccgcgacgt gacaagacaa 120
cgcgacgcgc gcgcatacgt cgtccaaggc acgcatgggc cagccaagcc aaccaatcgc 180
gttcgtccgg gtctgggtgt ggccggaatg ggccctcctg atcagctctg ggacgagacg 240
gtggccggcc cgcgaccgga ctacggcctc ggcaagctcc gcaagtactc ctacttctgc 300
accgcctacg tactctctc gtcgtccatc ctggcccacg agccggctcc ggcgccggca 360
gtgacacgca gcatgaccat cgtccgtccg ccgtcgc 397

<210> 26456
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-D11

 <400> 26456

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 gcgtagctag gcgtagaacg aatgacgacg cagggcggca acaggtcgac gacgacgctg 120
 gtcgccgccc tggccgtagt tctggccgtg gcggcggcgt cgtccctggc cggcgtggcg 180
 tccgcggaga aggcggggcg gttcgtggtg acggggcgcg tgtactgcga cccctgccgc 240
 gccgggttcg agacgaacgt gtccaggagc gtggccggcg cgactgtgga ggtggtgtgc 300
 cggcacttcc gcgcgtccaa ggtgacgc 328

<210> 26457
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-B4

 <400> 26457

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 ccggtggagc cggcccggct ccttctcct cgtcgccgcg gcgttctctg cgtccgccgc 120
 cgcgtcgggc gtcaacgtcg gccagttcga cgaccattg cagaagcgga aggagctcgc 180
 cgaggcgtcg gcgagggagg cgtacaggcc cgaccctac aacgtcacca acagcttcaa 240
 cgccgccgtc cacagagctg tcagcagcag tcggcgtgag atgctggaga ggccgtggaa 300
 gcacatgaag aggggcccg tccgggcgac taacctatc gacaagtgtc ggcgctgtcg 360
 cagagactgg gcgacngacc ggcatcgcct ggcccg 397

<210> 26458
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B6

<400> 26458

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ttgatataat taataagcaa ggttttagaga agaggcaaca tgggcacaaa gatgaagaag 120

gggatcctga agccgttccg ctatatctca accatcatgg atggtaagga ggctgaaatg 180

caaattgggt tcccgaacga tgtaaaacac gtggcacaca tcggttggga tggctcctggc 240

tccaccaaca acaatatcat caacagcatc atcaatagtg gcggagcacc tagctggatg 300

aaggattacc actcggcacc gcttgactcg tcctctttta ggagtgaagag tgggggcacg 360

gctgctgcaa atccctgggc ttctcaagag atagtcatgg atggagcaag cgtcggagaa 420

acctcttcag ggacacgaat agcgaggcag g 451

<210> 26459

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B7

<400> 26459

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acatggatat aattaataag caaggtttag agaagaggca tcatgggcac taagatgaag 120

aaggggatcc tgaagccgtt ccgctatctc tcaaccatca tggatggtaa ggaggctgaa 180

atgcaaattg gggtcccgac tgatgtaaaa cacgtggcac tcatcagctg ggatggctcct 240

ggctccacca acaacaataa catctacagc atcaactata gtggcggatc acctatctgg 300

atgaaggatt accactcggc accgcttgac tcgtcctctt ttaggagtga gaggggggc 360

acggctgctg catattcctg ggcttctcaa gagatagtc tggatggagc aagcgt 416

<210> 26460

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B8

<400> 26460

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 tgccttgagc atggcattca ggctgacggt cagatgcccg gtgacaagac cattggggga 240
 ggtgatgatg ctttcaacac cttcttcagt gagactggtg ctgggaagca cgtgccccgt 300
 gctgtttttg ttgacctga acccactgtc atcgatgagg tgagaactgg cacctaccgc 360
 cagctcttcc accctgagca gctcatcagt gggaaggagg atgcagccaa caactttgcc 420
 cgtggtcact acaacattgg caaggaga 448

<210> 26461
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B9

<400> 26461

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 cggccctttt cctccgacat ccacaagggg ggaggggaaa acacgtacat tcacccggcg 120
 gcaataatgg cctcggttcc ggctccggcg acgacgaccg tctccgtcat cctatgccta 180
 tgcgtcgtcc tctcctgtgc cgcggctgac gacccgaacc ttcccgacta cgtcatccag 240
 ggccgcgtgt actgcgacac ctgccgcgcc gggttcgtga ccaacgtcac cgagtacatc 300
 gcgggcgcca aggtgaggct ggagtgcaag cacttcggca cctgcaagct cgagcgcgcc 360
 atcgactggg tcaccgacac gaccggcacc tacacgatcg agctcaagga ca 412

<210> 26462
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C1

<400> 26462

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atcccttccc acagcaccce agcagaccac agcatcgget gcaacccctg ctggaacgcc 240
 gtggtacact tccccatccc ggctgccgct gacacccgcg gcctcgact ccacgtgagg 300
 ctccgcgccc agcgtctata cctgggcat cgcgacatcg gcgaggtgtt tgtgcccac 360
 gacgaccttc tggccggcgc cgacaagggt 390

<210> 26463
 <211> 476
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-C10
 <400> 26463

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 catgaagtac tgcaccaaca agttgtgtac cgccaacggc gcctccaagg tcaccgtcaa 180
 ggacgtcacc ttcaagaaca tctactggc ctcctccacc ccggaggcca ttagcctgct 240
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 cggcaccaac aacaagacca tggctatatg cagcaacgcc aagggcagca ccaaggggtg 360
 cctcaaggag ctggcatgct tctagaccct ncgtcgactg acccatctct ctagttataa 420
 tttttctctc gtcccttgcac ggcatattag ttgctatcca ttggtaacgc acaaca 476

<210> 26464
 <211> 67
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C11
 <400> 26464

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 atatcgc 67

<210> 26465
 <211> 55
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C12
 <400> 26465
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<210> 26466
 <211> 199
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C2
 <400> 26466
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 acgctcttct cccggactcg catctacgcc ttggcttcca tgtacggatt cgacctccgc 180
 tttccttccc acagcaccc 199

<210> 26467
 <211> 390
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C3
 <400> 26467
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 catcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggcctgg 120
 tgggtccttc gacatcacca agttgggcgc cttcggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcgtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggc gacttccttg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccattcag gtggatggca atctgctggc gaccacggac ctaaaccagt acaaggaaca 360
 tggttaattgg atcgagattc tacgcgtgga 390

<210> 26468
 <211> 184
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C4

<400> 26468

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ttttcatcgg gcatgtcgtc aacgaagtgt caaccggcat ccattcgaaa tcgtacggcc 120

ccgacgactc ctccgacatc accaaatcct gcacttccac ctacggcaag acagacaact 180

ccat 184

<210> 26469

<211> 426

<212> DNA

<213> Zea mays

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<400> 26469

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cgcggtggtc gtcggcgtgg tcgccaccgt caccactcc ggcaagaagg ccggcgacga 120

cttcaccgtc ccgggggaag cctccattgc cacgtccggc aagtcggtcg agtccctgtg 180

cgcgcccacg ttgtacaagg agtcgtgtga gaagacgctc tcccaggcca ccaatggcac 240

cgagaacccc aaggaggtgt tccacagcgt tgccaatgtg gcgctggagt cggtgaaaac 300

agcggtcgag cagtccaaga cgatcggcga ggctaatacc agcgactcca tgaccgagag 360

cgcgcgggag gactgcaaga agctcctcga ggacgcggtt gacgacctca ggggcatgct 420

cgagat 426

<210> 26470

<211> 446

<212> DNA

<213> Zea mays

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<400> 26470

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gttcggaaga ctacagtga gaaaagacat ggttggtgga ggcaatttcg tttgcttttt 180
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tctgttgctt cagcagttat atttggtatct gtgttttggc gaatgggaaa atctcaaaca 300
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ttgacaaaaga ctgtgggagt tttcccaaaa gaacggagta tagttgacag agaacgagca 420
aaaggttcct atgcacttgg accata 446

<210> 26471
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C8

<400> 26471

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cctggtacgg tcagcccaac ggtgccggcg ctcttgacaa cggcggtgcy tgcgggatca 240
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aggacggcaa gggctgcggc tcatgctacg aggtgagatg caaggaaaaa cctgagtgtc 360
cgggcaatcc agtcacggtg tacatcactg acatgaacta cgagcctatc gctccctacc 420
acttcgactt gagcggcaag 440

<210> 26472
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C9

<400> 26472

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ttctctctca gccaatctcc ttctatgttt gctgcatgca caatcaatca ggcggctgcc 180

ttctatgttt gctgcatgcg caatcaatca gatgactact ttccatccta gccactcacc 240
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<210> 26473
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D1

<400> 26473

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 gcccgctgcg cgtcctgttt taagctacgt cactcttggg tcgttcagct gggagcagga 180
 caacgagaag attaggatat atgtttccct tgagggagtt gagcaagaga aggtggagac 240
 tactttcaag ccaacatcag tggatataaa gtttcatgat gtcaaaggca agaattaccg 300
 gtgtgctata ccaaagctga acaaggaaat tgttcctgag aaatgtaagg ttgtggtgaa 360
 accaaccagg gttgttggtta ctcttttcaa gggttctaaa ggcaactggt tag 413

<210> 26474
 <211> 205
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D10

<400> 26474

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 atgctgtact tggctgaagt catgtatgca tctggagctc taacggaaat gtctttttgc 120
 caatggtttt atttcggttt gggatctaca catttgcttt gtaatgttaa ttacattagt 180
 acatacatgt ttccagttat gtggt 205

<210> 26475

<211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B2

 <400> 26475

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 agaacatgat actgaagccg atccggcata tgtcaaccat catggatggg caagtcgcgc 180
 aaaggcaaat cttgttgctt accgacgttt aacacgtggc acacatcggg aggaatgggc 240
 ctggctacac catcaacatt gacctcatca gcaactacaa tagttgcaga gcacctaact 300
 ggatcaagga ttaccac 317

<210> 26476
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-H7

 <400> 26476

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 gactgggaag gcgaagccga ataagcacac tgccaatgag atcgccgtga tgatcgacgc 120
 ggcgactact aaccggggcg gcggcaaggc cgggctggct gaccggctgt ggcaggacaa 180
 gggcggtcat gcgaagctgg cgtgcccgt ctgtcggact cgggctcccg acatcgagtg 240
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 ctacctgcac tctttctgcc gctctgctgc tggt 334

<210> 26477
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-H8

 <400> 26477

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tgtctatttta tctacttcac tcaggtgaat ccctgctgtg ctgttatatt gtttcttctt 120
 tttaccgttg gctattttct ttgctccaag aagatcatcg tcatgccaaa gtgcgtttttt 180
 taacgtacat aataatgtgg tacttttctg atgctaaaat gtaagtgtgg agctcatttg 240
 gaacatacgt tctatggggg actcgacgaa gaacattgat tatacatggt tctggcacat 300
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 taacatatata t 371

<210> 26478
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-A10

<400> 26478
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 ggccggtata ttagtagatc ttcgatcggt catccaagct aataagtcag taagcagcag 120
 taggtcgaaa atggcgatga ggtcgctagc gctactgggc ctccctcagcc tgctggttgt 180
 tgggtgtggcg cangcgggtg agttggagat ggagttgggt cctgctgatg caattgcgat 240
 gactatggat catgaaccgc cgcaagaatg cgcgacccca gtgagcgtgg aggaggcgtg 300
 ccgcggcgcg tctgagacgc acgccggcgt ggccctacgac cactgcatgg cgtcactggg 360
 cgccgacccg ggcagcaagg atgccggcaa caagaacatg cacgcgctgg cgggtgc 416

<210> 26479
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A11

<400> 26479
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 ggcaccctaa tggttgtatg cgccgcagta tgcacagcga aaaggaccgt agcaaagaca 120
 ggagacttgg ctccagcccc tgctccatta ggagcttgag gcgctatttt attcccagaa 180
 ggtgcggcta gagccagcag gacgttcgac atatcgaagt tcggcgcgac cagcgacggc 240

aagacggact cgacacatgt ggtccaggac acgtggacgt caacgtgcgg agcgattgga 300
gacgcaacga tgctcattcc caatggcgac tacctgggtgg gccctctcta cttcagaggc 360
ccgtgcatgg aggacattaa c 381

<210> 26480
<211> 473
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-A12
<400> 26480

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tggtcccca gcgacgcagg caggcgcgcg cgcggccatg aaggggggcg gtgccatgag 120
gccgtcgcct atgttctacg tccacgaggc ggacgtcgtc cagatccacc acttcctcga 180
ggagtgtccc ctctgcgcca aatcgctctc cggcgacatc ttcattgtaca ggggtgacac 240
gccgttctgc agcgaggagt gcaggagca gcagatcgag gtggacaggg cgaagcaccg 300
gcggaagaag cgcgcggcgg cgcacgcgct gtccgcacgc agcagggagc accggcacca 360
gcagcagctg cagcagcacc accaccagca gcagcaaccg cagccgcgga atgccggcat 420
ggacacccgn caccctgtggg tcgacgccgg gttcgccagg cccagggcgc ccg 473

<210> 26481
<211> 381
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-037-Q1-K1-A2
<400> 26481

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cggaatcaac ggcttcggaa ggatcggcag gctcgtggcc agtgtcgccc tgcagagcga 120
ggatgtcgag ctgctcgccg tcaacaaccc cttcatcacc acggattaca tgacctacat 180
gttcaagtac tacaccgtgc acggccaatg gaagcacagc gacatcacc tcaaggactc 240
caagacgctg atattctgcg agaagccggt caccgtattt ggcattcagga accccgagga 300

gatcccggtg tgcgaggctg ctgctgagta tgtcgtggag tccaccggtg tcttctactga 360
caaggacacg gctgctgcac a 381

<210> 26482
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A3

<400> 26482

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aaaattttgc cccctgaaac cctatcgctg cggtatcaca gcaagggcaa aattttctgc 120
gactccggct gaaggacgct gcggcaccta tgtcggacga cactggccgc actataccca 180
agttcggcga atgggacgtg aacaaccccg cctctgccga cgggttcacg gtgatcttca 240
gcaaggccag ggatgagaag aaagcccccg cccaaggcca catcaggac aggtcggcgt 300
cggccgacag ctaggactcc aggtccaggg atgagaagat gacctcctac agtccagga 360
ccaacgcata gaagaaatgg ttctgctgtg tctcgcccag tcccacacag tcttgaggga 420
gctaatagag cgtgcagtgc tgcattttct 450

<210> 26483
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A4

<400> 26483

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aaaattttgc cccctgaaac cctagcgctg cggtatcacag gcaagggcaa aattttctgc 120
gactccggct gaaggacgct gcggcaccta tgtcggacga cactggccgc actataccca 180
agttcggcga atgggacgtg aacaaccccg cctctgccga cgggttcacg gtgatcttca 240
gcaaggccag ggatgagaag aaagcccccg cccaaggcca catcaggac atgtcggcgt 300
cggtcgacag caaggactcc aggtccaggg atgagaagat gacctcctac agtccagga 360
ccaacgcata gaagaaatgg ttctgctgtg tctcgcccag tcccacacag tc 412

<210> 26484
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A5

<400> 26484

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ggcataaacc caaccggaga ggacggccga cggctacgag ctacgtagcc gtggtccggc   120
gagtcgggga ttccagatgc ttcaaaatca tcaaaaagga aagctgcaag ggggatgcca   180
actccacagt acacatactg tgttgccaga acatctttcc gagcacatgc actgggaata   240
accgctgctt gggtagtgca atccataatt gaagtataca gatgtttcat ccgtaagcct   300
agtgaggact gtgaagcact atcaagcgac ggcaatgaac agtttgacga tatgaataaa   360
ttcagattgt tcgggaggaa gatttatggg attaccatca aaagttgttt ctctttg    417
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<210> 26485
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A6

<400> 26485

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gacgggcagg gccagctgt gtggagcaag aactcctgca ccaagaagta cgactgcaag   120
atccttccca actcgctggt gatggacttc gtgaacaacg gggaggtgtc cggggtcacg   180
ctgctcaact ccaagttctt gcacatgaac atgtaccggt gcaaggacat gctgatcaag   240
gacgtgaccg tgacggcgcc cggggacagc cccaacacgg atggcatcca catgggcgac   300
tcatccggga tcaccatcac caacaccgtc attggcgtca gcgacgactg catctccatc   360
ggacccggga cctccaaggt gaacatcacc ggcgtgacct gcggtcctgg ccacggcatc   420
agcatcgga gcctatggcg gtacaagg                                448
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<210> 26486
 <211> 395
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A7

<400> 26486

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cccacgcgtc cggtttccgg tggaggatcc ggtggcgctc atgctggtgt ctccggaggc   60
gccaaagttg acggcaacat tggaggaaaa gcgggaggga gtggaaatgc atatactgga  120
gctgatgcag gtacaagtgt ttcaggtgga ggatccggtg gcgccagtgc aggtaccagt  180
gctaccgtgg gtgctggtgt ctccggaagt gccaaagttg gtggtggcgt aggaggaaat  240
gcaggaggaa gtggcaacgt ctatactgga accggtgccg atgcaggcgt ttttgggtgga  300
agatccggtg gcgccaatgc tggatatgga gctaccatag gtgctggtgt ctgcggacgc  360
gtaaaatttg gtggcggcgc cagaagaagt gtaag                                395

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<210> 26487

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A8

<400> 26487

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atttcccggt ccgaccaacc ctcccgcgga ttcttaatat ttccttagcc ttatcttatt   60
taatttaagg atttgcgtca agtccgtgtg tgatcattcc atgaaatata tgatatgggt  120
ttccatttgt ttgaaaaaaaa ataaaaataa tacaaaaaca aaaaaataaa aataaaaaaa  180
caaaaaaaaa aaaaaaaaaat acaaaaaata acaaaaaaaaa ataaaaata aaaagggggg  240
ccccttttta aggtccaaag tttctaacc ctcattaaa agttaaacc ttttctttag  300
cggcccaaaa ttcaattaat tggtcggcgt tttaaaacca ccggacttgg aaaaaccggy  360
ggttcccaaa attaataagt ctggagaaaa atccccctt                                399

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<210> 26488

<211> 294

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-A9

<400> 26488

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 gcccactttc gtcttcatca gggacggcca gatcgtcggc cgctacgtcg gctccggcaa 120
 gggggagctc gtcggtgaga tcctccgata caacggcgtc agggtcacct actgaagtga 180
 agtagtgaac aacaaaccag tcagagtcag agcaagcgca agccgacaag caacgcttcg 240
 atacaaaatt gaagacgata canaatTTTA gattactgcg acatccatcg acga 294

<210> 26489

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B10

<400> 26489

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 tgtttcacca tcagtcctta aatgcagact taacatgatt tattgccaag cgccactacc 120
 aataccttgc ttaggttta aacacgtcac agttacaggc agcctcagat accatagagt 180
 ctataaacia gttattcaac accctctcac atatatcgga tcatatttag tttacaacgg 240
 acaaaccttt ttg 254

<210> 26490

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B12

<400> 26490

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 atttcgaatg tctaacattt ttcattacgt ccacgtctac aatgctaaac ctcaccatca 120
 ataccacact caactcaaac gacagcgctt taaacacacc ggagcatatc gaccatacat 180
 ttctcacctg tactacaact ggcccacctg cacctgtcat caattgtcac agacgtggca 240
 ccacttgtcc ccaagcttta aggacacgac ttttatctcc ccacatgcat tcacgaacac 300
 tttacgaaca tgttccttag ctttaaccaac a 331

<210> 26491
 <211> 362
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-H6

 <400> 26491

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 gacagggaag cgacttgaag tgtctgatca aaactcttct agatttggag aagaacctct 120
 agatgagaaa ggaggtatag gtgaacgaaa cttcacgtct cttgcatgac gcgtgcagtg 180
 catgagatcg ggatgggtcaa ctcatctagc tgtgactgac gacactgaga agacaacaga 240
 tagcgtcaac actcattata tggataatag tgtatggata gatatataga tactcgtcac 300
 accgaatgct cacttgcgca tgatctgctc ctgaattcca tcgttcctga accagtagat 360
 ca 362

<210> 26492
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-F4

 <400> 26492

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 cggctgtgac gaggtcacgg gccactcca catgagcatg gaggactgca tgaagaggcg 180
 caaggagatc gctgctaagc aagggcctac ggacccttac aaggatcaca aacttgacat 240
 cccatgaact aatcaatgct actatatcat ctgcctatcc atgcatgcat tgcattgcgt 300
 atgcacactg tgcgtgcctg ccacaaaagc tcgacaacac agcgatctac acggatttga 360
 catcgagtac actcgatcga gagatcg 387

<210> 26493
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-F5

<400> 26493

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ccggcgacga ccttgagcgt catcttatac gtcctcttgt gtgcctcggc tggcaccggc 180

cttgacaacg acgctatgcg actacgtcat ccagggccgc gtatactgcg acacctgccg 240

cgccgagggt cgtgaccaat gtcaccgagt aca 273

<210> 26494

<211> 280

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F6

<400> 26494

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taagtagtta gaggtcggga caggatgctc gggttcaggc atatgtcatc ttcttccgct 180

gaggctcacg ctctatcgga tcagctgtgc gaaggggtgg cggccttctt ggccgctcga 240

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<210> 26495

<211> 110

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F7

<400> 26495

gcgtacggaa cgttctgtgt ggccgtgtatt aacacggatt gtactcctca ccatatcggc 60

tcggggggct acatgtctat agccttacgc gctagggggac gtcagaggcc 110

<210> 26496

<211> 359

<212> DNA

<213> Zea mays

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<400> 26496

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gctggtgctg tccgtcaccg cgttcgcggc caacgggcag aggtacacga taacgggtcga 180

cgctccggga aagcctgagc tcgcgcggcc gggatactat ctgttgtagc tcatagcgaa 240

aggcgtgccg agcaaggccg cgtgggtgaa ggtacacaca tgagaacgaa ggcgggtcgg 300

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<210> 26497

<211> 374

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-G2

<400> 26497

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ccgccgccgc cgctgccgga ggagaagccg cttgcgcggc gaaagccaga gccgaagccg 180

cctaagccca agcccaaggg gcctaggccg attgggccgt tgcctcagcg ggacggggac 240

ccggcgggcg gcgtcgccac gtcccctccg ctctgttct gcggcgacgg ctgctccggc 300

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<211> 337

<212> DNA

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<400> 26498

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cggtacggac attaccgagc tcattgccgt cggcagggag aagtttgctt cagtcccatg 120

tggcggcggc ggtgtggctg tcgcggcagc tgtccctgct gctggcagcg ctctgcagc 180
 tgaggccaat aaagaagaga acgtggacga gaacgaagaa agcgatgacg acatgggctt 240
 cagcctcttc gactaagctt gtgcaatagt caagaatatt gttcttgagt cgctgaagca 300
 gaggggatta aaatcttaat catgtttgga cttaac 337

<210> 26499
 <211> 363
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G4
 <400> 26499

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 tggcggtcgg cggtgtggct gtagaagcag ctggccctgc tgctggcagc gctcctgcag 180
 ctgaggcgaa gaaagaagag aacgtggacg agaaggacga aagcgatgac gacatgggct 240
 tcagcctgtt ggactaagct tgtgcaatag tcaagaatat tgctttagag tcgctgaagc 300
 agaggggatt aatatcttaa tcatgtttgg actttaactt tgtactatgt tggaaagttc 360
 ttg 363

<210> 26500
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G5
 <400> 26500

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 cggccaacgg gcataggtac acgataacgg tcgacgctcc gggaaagcct gagctcgcg 180
 cgccgggata ctatctgttg tacgtcatag cgaaaggcgt gccgagcaag gccgcgtggg 240
 tgaaggata caaatgagaa cgaaggcggc tcggagacga atgccagtcg cgtttggcac 300
 gacaatacac atgtgtccac cggagtagct ggacc 335

<210> 26501
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G6

 <400> 26501

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 gttatagtaa tcttcttatt cagatgggcc gatgaacata tgtaccattg aaggtctcac 180
 gatatgcata ccattaagat gatcatttca cattatcacc aagcatcgat gacaatatga 240
 gaacagctta catagttatc agtcatgcat gttcaggatg catatttgaa acacttgtag 300
 tctgcaaacc actaatcgct gttgtaa 327

<210> 26502
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G7

 <400> 26502

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 agggcgatcg atagttaagc tatggcagca agtggcgatc gatgtggaga tgcattggtc 180
 atgtaattat attattgctg tgcttgtgat atacacatgc atggatcatt aaaaaaata 240
 tgacaagcga tcacctacg 259

<210> 26503
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G8

 <400> 26503

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tctaagtgtt agaaacagga gaaagaagaa aagaaaagaa gtggagagtg gctgtgtaca 120
gccaaaggct gcttcgggct ggggcaccgg actgtccggt gtgcaccgga cagtgtccgg 180
tgcgccagac cagcgcggag caaaccagcc gctatcgggt ttttctccgg cgacttcggc 240
taaaattcac cggactgtcc ggtgtgcacc ggactgtacg gtgagccaac ggtcagccga 300
gccaacggtc 310

<210> 26504
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H1

<400> 26504

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agtgggcgcg catcttcaag cacctctcac gaaggacgga caacgagatc aagaactact 120
ggaacacgcg cttgaagcgc cggcagcgcg cgggcctgcc gccctacccg acggacgtcg 180
agcggcagat caagctgctg cgcgcgcaga acgtcaaccc gttcgcagac gcagacgccg 240
acgccggcca cgccaacgcc agcggccggc ttccggggcc gccgtcctg tacgacgtct 300
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actcggcact gatcaatcag aactaccc 388

<210> 26505
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H2

<400> 26505

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acggaagcga cgtgaagttt ctgatcaaaa ctctccgaga tttggagaag aaccgcgaga 120
tgagaaaggg gggagagggg aaggaaactt cacgtcgctt ccatgacgcg tgcagtgcac 180
gagatcggca tggccaactc aactagctag gacggacgac acggagaaga aaacagatcg 240
cgccaacacg cataagatgg aaaaaagtgt atggatagat agatagatac tcgtcacacc 300

gcattgcgcac ttgcgcagca tct

323

<210> 26506

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H3

<400> 26506

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aagcaggtgc accccgacat ctgcatctcg ttcaaggcca tgtccatcat gaactccttc 120

atcaacgaca ttttcgagaa gctcgcggcc gagtccgcca agctggcgcg ctataacaag 180

aagcccaccg tcacctaccg cgagatccag acctcggtgc gcctcgtact acccggtgag 240

cttgccaagc acgccgtctc cgagggcacc aaggccgtca ccaagtacac ttcttcttag 300

gctcatagta ctaggctggg tgggtgttgg agacgtggct caattgaatc tgtagagtgt 360

gtgatggatg atatgatctg cgtctattga gcagttaaga ctgatgaaca tttgtccacg 420

t 421

<210> 26507

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H4

<400> 26507

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tactcgtgga cgattgcagc atgcatggcc tgcgagtcac acataggctg gctattcaga 120

gccaccaaga agaattctgcg gcctaggtct ttctggggga tccgcagctc acaaactcga 180

gacgacacac aagtagatca gggtgactga tgctccaaac ttccatgcgt ataaggccat 240

agtagcagtg gactactaag ccatgtatga cctgggtgtt ccaatcctcc agtcgtctct 300

ggttcatacg cactgcctgc ctttcgtgtg ttggcatagt aaggacggtg gaagtccctg 360

taaaacaatc actctttttc tactggtgta gtagtgctct gcactgaacg gatttactga 420

atctctcttt tttggtctaa atagatatct ggttcatagt 460

<210> 26508
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H5

<400> 26508

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tgaggcctgt acagggagca ttctcaaata tctgtacctt caatggctac tgttttaagg 120
ttagcatggt tggatgcgct tgggtgcact gcaggtgtcc tacgactaat ctctactggc 180
ggtgagcatt atgatcctgg aatgataata gtcttcgccc caagggcacc tgtaccctca 240
cgtgtgatcg tgggaattag gctctgatgg atgcaatgtt ggaacgtgta ctaacacaca 300
tagtgcgttt cagaactcga tttaaatgtt agcctcagat gctaattgata acataaagt 359

<210> 26509
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F3

<400> 26509

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aaatggaaga agcaagtgtt ggcatcgccc tcttcaggt tctctggagg acatgggtgc 120
tggagtgact tggcgcgcc tcttgccacc gggttggact gtcgagtggg accctgcctc 180
ggctaacgag gagcatgagg agtgatggga caggcttccc catctctctg tttaattact 240
gttagtttta ttccgctgca ctctgaacaa tgatgattac ttttgcaaaa actccgatga 300
tgatgtaata acttaatact ccttaatgta tggttttatg ctgtattgta tttgctctgt 360
gactcacctt cgagtgagat tgtggt 386

<210> 26510
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C8

<400> 26510

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tttttctcca gcggcacgaa gtgaagaaca cgtttttgtg acgccatggc tgtggaaaga 120

gatataatttg gaatttctgg gccaacgtat ctgaaatcaa tcgattggaa ctgtgagcat 180

aatcggagat ctgtggctgc aagcttagtt catgctgtat atgtgttga gagagaccgg 240

caactgaatc atcaatcttt tgaagccttg gcacctgctt ggtgggaatt cctccatttt 300

gagctgattc gcaagctgat tgatgatgct gatatgtcca tatttgggtgc aatatttgaa 360

ttcaaccctt caaggaggaa gcttctggtg catatgctcc aagatttgt 409

<210> 26511

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D1

<400> 26511

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cgaccatcct catgaacagg tacgagctcg ggcgacgct cgggcagggc accttcgcca 120

aggtgtacca cggccggaac ctgcgcttcg gcgagagcgt ggccatcaag gtcttcgaca 180

aggagaaggt gatgcgcgtc ggcatgatcg accagatcaa gcgcgagatc tccgtcatgc 240

gcctcgtccg acatctcaac gtcgtgcac tgcacgaggt gatggccagc aagagcaaga 300

tatacttcgc catggagtac gtccggtgcg gcgagctctt cgcccgcgtc gcccggtggtc 360

ggctcaagga gacgccgcga gaag 384

<210> 26512

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D2

<400> 26512

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acgacgacgg cgccggcgctc ggagaagaag aagcagacaa ctctcgtata tgtcttcttg 120

ccccctttcc gatctggtgg tcgtagcgct catcatcgcc gtcgtcgccg tcatectccg 180
cgccctcgct tgctctggcc gatctatgcg caaggggctc aacggctgga acaaatectc 240
gtcgatgctc agggacgggt tcgggggtgaa gtattccgga ttctccaca taaggccgtg 300
cggcttctgt agaggagatt gacggattcg gccgatttgc gtcgtctcc gtcatttttt 360
ttttttgcac ccagagtttc tggtttttct ttagaagttt tccccccata gttttgg 417

<210> 26513
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D4

<400> 26513

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tattctgtgc ataccgatcc tttatgtcta ccgtacatg acgtacctgt cggaacctgg 120
atcgtgaatc gttatgaata ttgcgtcagt gataaagaat aatctcggtg tcaccatcat 180
tacaggcact ttcatecttc aaaacaatgc cgtgcctcac gaccagcgat gctctgcgaa 240
tggactgtcc atgactggta tgtgcttttt caaggcactt gctccagctt gagcaagcat 300
cgtgtttctca tggggcgata aacgccagca tgcgttggtc ttaccaggtg accagatggg 360
attct 365

<210> 26514
<211> 337
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-036-Q1-K1-D6

<400> 26514

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aggaggtgtt gagaggaggc tgaggctctc ggctgcgcc gcgtcgtgcg cagcccagct 120
tgccctgcag gtgggcacac gcgtgatgtg ccggtggcgc gaccagaagc tccaccctgt 180
caaggtcate gatcgccgca agggctccga ttcttatatc cccgctgact acgagtacta 240
cgtccattac accgagttca atcgaacact tgacgagtgt gttaagcttg agcagctnga 300

tctcgctact gatgagaccg atgctgacga gaaagtc

337

<210> 26515
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D7

<400> 26515

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ctgacgcagc tcgtagtgct tctgacattg tctaactga acctggcctt agtgtgatta 120
ttagtgctgt gctgacgagt cgggcaattt tccaaaggat gaagaattac acgatctatg 180
ctgtatcgat taccatccgt attgtgcttg gttttatgct tcttgcgctg atatggaagt 240
ttgacttccc accatthtatg gtcctggatc attgccatcc tcaatgacgg taccattatg 300
actatctcga aggacagagt aaaaccatct ccacaaccag acagttggaa gttagctgag 360
atthtttgcaa ctgggagt 378

<210> 26516
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D8

<400> 26516

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tcatgatgcc gctggacacc gtcaaggagt gcggcaccgc gctgcaccgt cgcaaggcgg 120
tgcaggccag cctctccgcg ctcaagagcg cgggcgtcga gggcgatcat gtggacgtgt 180
ggtggggcat cgcgagcgc gacggcccgg gccggtacaa ctccgcgggc tacgcggagc 240
tcatggagat ggcgcgcaag gccgggctca aggtccaggc cgatcatgtc ttccaccagt 300
gcggcggaac cgtcggcgac tccgtcagca tcccgcttgc cgcgtggggc gccgaggaga 360
tgagagggga ccaggacctc tgctacaccg accagt 396

<210> 26517
<211> 454

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E1

 <400> 26517

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 ggtgccggtg gggaggaagg gccgcggata atcgtgccta tggcgggtgga gggtagcccg 120
 aatcagctgg cgtttgtaga ggagtcgaag ctgcagaagc gcaaggagaa cgtggactgg 180
 gccgtgagga accgggagcg catggcggcc aagcgccagc gcattcgca cgagcacaag 240
 gtcgtcgtca ggcggcccga ggagttcgtc accgcgttcc gcaacaagga gcgcgacttc 300
 ctgcggatga ggagccgcat caaggteccg agccagccgt ccgtcgaggc gtcgggtcc 360
 aggctcgtct tcgcgattcg cgtccctggg tttccgaact taaagagtgt gaaagagctt 420
 atctacatga aaggccgcgg gttctttgac atgg 454

<210> 26518
 <211> 241
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E2

 <400> 26518

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 ttctatggct tgatcataaa gggcgaatgc atagggcgga acgataactca agagctagac 120
 gacgggcatc taatgcacga tccaggagtg tcgtcgatca acacgatcta tacgaactgg 180
 aatgattgca tgcatatgag gattatgacg aacgacgttc agtgccctgtc taaagagata 240
 c 241

<210> 26519
 <211> 288
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E4

 <400> 26519

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atggcagctc cactcctcct gatttcttac ttcccaaaga agaaagaagt aaacaccatg 120
gtaatcaaac attccaaaac ttcacaactc atgggaagga tgatgatttt gcagcactag 180
agcagctcat tgaagatttg acaaaagaga aagtttcttt gcaacaaaag tctcagaaat 240
ctcaagaact agcccgaaac ttggcgacag ataactctgc attaactg 288

<210> 26520
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-036-Q1-K1-E5

<400> 26520

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atggcagctc cactcctcct gatttcttac ttcccaaaga agaaagaagt aaacaccatg 120
gtaatcaaac attccaaaac ttcacaactc atgggaagga tgatgatttt gcagcactag 180
agcagctcat tgaagatttg acaaaagaga agtttctttt gcaacaaagt cttcagaaat 240
ctcaagaact agccgaaact ttggcgacag ataactctgc attaactgat aagttcaacc 300
aacaggcaca tgtaatcagc cagttgacat ctgacatgga gagattgcag gaagagattc 360
aagctcaact gttatcaaac atccaggag ttcttggatc aatatctcgt acatgcaact 420
ggtngctatg aggctatana acaatngtca ctagctggcg ctggagtc 468

<210> 26521
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E6

<400> 26521

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gcacgggcac gggcgcacgg ccagcgcgaa cctcctcccc tccccctccc tcttcttccg 120
tttccaacag cgaggcatgg tggagaaggc gaggagcatg gcgcgcaaac tagagatccc 180
ccagtggaag cagcagggcc ttccgtcgcc gacgagcccg ctggaccgcg cgtcgccccg 240

tgggtggcgc caccgcgacg ccgtctgagg cgtcgggctc gggatcctgg cggcgctgga 300
 agccgaggggt ccgctgcccc gcgccgtcgc cggcgccgcg ccgcgggtgt ccataccgcg 360
 gcgcgcggcg cggctggagg tatcggagct cgcgtgcagc gggc 404

<210> 26522
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E7
 <400> 26522

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 gccgcgtcag gagggttcgc gctgacctt ctgcgtgct gcagcctcat catgctggcg 120
 gcggcgctctg gcggcggcgg cgtggacgac gacggcgctc gtggtgacag gctgatgatg 180
 gaccggttcc tcagctggca tgcgacgtac aaccggctcg acccgacggc cgatgagagg 240
 cagcggcggt tccaggtgta ccgccgcaac attgagcaca tcgaggccac caaccgggcg 300
 ggcaacctga cgtacacgct cggcgagaac cagttcgccg acctcac 347

<210> 26523
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-036-Q1-K1-F1
 <400> 26523

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 taaccacaaa gataaatfta ttatttttgc atctgatggg cctttgggag cacttgacaa 180
 atcaacaggc cgttgaaatt gtccacagca atccacgatc aggaattgca aagaggctgg 240
 taagggcagc gttgaaacaa gctgcacgga agagggaaat gaggtatgat gacctcagga 300
 aagttgagaa gggaattcgc cgcttcttcc acgatgacat tacagtagtt gctgtttaca 360
 tagatcacgg attactgcna gagagggata ctcccgctg 398

<210> 26524
 <211> 307
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-F2

 <400> 26524

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 cgctgacgacg acgatagcct gtccgacctc gagcgcggtc cggttcctcc ctgcgtcagg 120
 acgcgagccc ttggagcttc gagtcagatc ccggcgggagc cccatggcgg ctctggtgcc 180
 gttgagccgc gcgatgtacg gttttcgcgc gccgcatagt acgagcgatg gggcgccgga 240
 agatgtccgc ggcggcaccg ccgtctcgga gctggtccaa cgttggcgga agcgtcatcc 300
 cggaact 307

<210> 26525
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C7

 <400> 26525

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 ggattaactt ccagtcctca agtgagggtg ctggttgtct cctggataaa gtttatgccc 120
 ttaaagcatg atcttccaac ttcaccatcg ttgtggaggt gttgtgccgc atcgaccaca 180
 agttagacct catgtacgcc aagcgtgcgt ccgtgcactg gtatgtcggt cagggtatgg 240
 aagagggcga gttctctgag gcccgagagg atctggctgc tctctagaag gactacgagg 300
 aggctgctgc tgagtttgat gaagggtgagg aatgttatga tgggtgatgag tactagaagt 360
 attctgatgc ggtcatcgtc aggcttgtgt gctgatcttg tcctcgttgt ggtttgcaac 420
 acctga 426

<210> 26526
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-A1

<400> 26526

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ttgggagaca ggcagcgtec gagcggcagt gggaggtgta caggttcctc ctggacgaca 180

gcagggagtt cccgttgacg aacagtctcg ctaacaggaa ccgtgtggtg gatagggtga 240

ggaaaacgct gatgggatgc tacaactagt agggctcctc tcctcggcgt cgacctgtct 300

gtctgtctga ccaagaataa tgcaaagctt gaaggcaact aacgactggt gtttctagac 360

tccgttgtcg tcgtcgtgc ccacagctag ctgcctgctt cgtcgtc 407

<210> 26527

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A2

<400> 26527

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tggtctacga cgccaccctc gccctgaaag cgcttgggggt ctgcatcttc tcggctgaga 120

ttgggagaca ggcagcgtec gagcggcagt gggaggtgta caggttcctc ctggacgaca 180

gcagggagtt cccgttgacg aacagtctcg ctaacaggaa ccgtgtggtg gatagggtga 240

ggaaaacgct gatgggatgc tacaactagt agggctcctc tcctcggcgt cgacctgtct 300

gtctgtctga ccaagaataa tgcaaagctt gaaggcaact aacgactggt gtttctagac 360

tccgttgtcg tcgtcgc 377

<210> 26528

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A3

<400> 26528

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accgcgttac caccttcgag gactcacaga aggagagcga gtacggctat gtccgcaagg 180
tctctggacc tgtggttgtt gctgatggaa tgggtggtgc tgccatgcat gaacttgccc 240
gcgtcgggca tgataacctc atcggggaaa ttatccgcct tgagggcgat tcaactacaa 300
tccaagttaa tgaggaaaca ggtggactga tggatgaatga ccttggtt 348

<210> 26529
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A5

<400> 26529

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gaccgcatta ccacctacga agactgacac aacgatatcg agcaacgcta tccgcactat 180
gcctatggac ctctagtgtg agctgatcaa ctgggtgctg ctcccatgta tgaacttgat 240
cgtcaccaac atgatagctt catcgaacaa accatccgtc ttgagcacga ttcacatata 300
atccacgttc atcaggaaac acttcaactg a 331

<210> 26530
<211> 207
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A6

<400> 26530

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ggggattctt cctccttaac ctgtatgcc tcggatcaca agcactggca aaagtttacg 120
ctactgctgc tgaaatactc tgccgcacct atgtctaact aactggccg tactataccc 180
aagttcttct aatgtgactt gaacaac 207

<210> 26531
<211> 203
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A7

<400> 26531

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aaggaaaaaa ccaaacgaat aaaacaaaga aactactgaa ccaagaaata caacgggacg 120
cagccttaca aaatccatgc tgacgtactc tttcatcaac cgtgatagtc tccggtagtc 180
acgctcctaa actcaaagtt ctt 203

<210> 26532

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-A8

<400> 26532

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cacccccgt ggtgttggtg tggcaatgga tcggagtcga atctcattga gaacgtacag 120
atggcttata cccactaat ctgtaattca gtcagcgcta tttttgtccc cacctccgat 180
tttcatcttg ctggatgtat gcttgacaga tgatgatacg gccctgttgt tgttggtgtt 240
gttgaaaaag atgtgttgag gggactgtag tgttcctctc cccctgttg tatggaagat 300
taccaatatg cagcgatttt ctcgcanaga ggaagctcaa tgcacatgc 349

<210> 26533

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B1

<400> 26533

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gacgggcagg gccagccgt gtggagcaag aactcctgca ccaagaagta cgactgcaag 120
atccttccca actcgctggg gatggacttc gtgaacaacg gggaggtgtc cggggtcacg 180
ctgctcaact ccaagttctt ccacatgaac atgtaccggt gcaaggacat gcttatcaaa 240

gacgttaccg tgacggcgcc cggggacagc cccaacacgg atggcatcca catgggcgac 300
 tcattccgga tcacgatcac caacaccgtc attggcgctcg gtga 344

<210> 26534
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B2

<400> 26534

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 gaccgcaact acgtgagcaa gatcagcgac gtcgggctgg cacgcctggt gccgccgctg 180
 gtggcggaca acgtgacgca gtaccggctg acggcgacgg cgggcacctt ctgctacatc 240
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<210> 26535
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<223> Clone ID: LIB3066-036-Q1-K1-B3

<400> 26535

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 aatgactacg caacaaagga tgggacaggg gttcgtgatt atattcatgt ggctgacctt 120
 gctgaaggac atcttttcgc attaaagaag ctatttgaaa gtcacatctaa cataggatgt 180
 gaagcataca accttggaac cggaaaatga acatcagtgt tggagatagc caatgc 236

<210> 26536
 <211> 301
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B4

<400> 26536

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gtgaggacac gcccgaggta ctgacagaat ggcgcggtggc ctcagagtta caggcagtcg 120

atcgacgtgc tgagcgcgga tgccataccg acgatgaact ctatcatggc atcgagcccg 180

aaccatacca gattcggaag ctacttggtg catgactgta gctgattgtt actgaataaa 240

ggaaaggtct tggagctacc gttcatcagg tcattgctga cgggctagct gctgaagctg 300

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<212> DNA

<213> Zea mays

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<400> 26537

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tcggcccact tgctgcctat tataaactgc cacttaatcg tgtcctagtg gctatcgatg 180

acatggacta gccatgtgca ggtctacgtc tacaggcaaa atgctgttc 229

<210> 26538

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B6

<400> 26538

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cgtagccgta gcagcgtgtg ctagagggga agaaatgctg gaggggaggt ctcgtgtgga 120

ggacacggac atgccggctc ggatgcatga cgctgagacg tctgctgcct cgcgcgcgct 180

cgacctatct gacgtcgtcg actgctgcgc cat 213

<210> 26539

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 26539

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gggtgccaga ccacaggatg tgccatatgt gtactgcctg ttctatgtca tatttgttcc 180

gctccgctgg atttactacc gctacaagaa atggcattac taccttctgg acttctgcta 240

ctatgccaac acctttctcc ttgtaatgat tctcttctac ccagaggatg aaaaactttt 300

tatggtttgc ttctcgtttg cagagggtcc gcttgctttg gcattaattg tgtggcgctg 360

caacttggtt ttcagttcat ttgacaaact nngtaatgtc ctgatacatc 410

<210> 26540

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C1

<400> 26540

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gagagaagac cacgtcgcag ggagaagcgt gcgtcgtcgt tgctcaggag tgccgctgcg 120

gaccactcgc cgttactcta aataccaagc actggatcgc tgggtgggcg ttacaccggc 180

aaggaggcca ccgtgggctg gagcgccgtc gggctcgtc gacgtcgaag gttgacgaat 240

cacggtggcc gaccgatccg agcgaacgac accgattgga ggagccgggt catcaccgcg 300

gttcgcacct ccatcgtggg acggaacgtc tacgctgcga ttgctggtga gacgagcaag 360

tgactgagga acccgaagca ccgtatgttg aagattctga gcaggagctc gcag 414

<210> 26541

<211> 143

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C3

<400> 26541

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 tgacagcgct gaacgcatga tct 143

<210> 26542
 <211> 285
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-036-Q1-K1-C4
 <400> 26542

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 agcgtacgct cgaacctaata acacgaagca aaccacacca tgtgctgcagg catcgccctg 120
 ccaccctcca acgccggagc gccctactac ggcgcgccgc cgccttcagg gggctccgcc 180
 gatgccccgc ccggcgccctc cgaaggccct gcgagcgcca gcggcccgtc tgggtgacgac 240
 tcgccggcgt ccgggtgctgg tgccagcgcg tcagctgctg atgct 285

<210> 26543
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-H8
 <400> 26543

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 cgtcgtgggc tactacaaga accgcgtcaa ggtagagtat cccgcttggt gctttatgct 180
 accgctgcat gcagtctagg tgttcagtga aatgtcaatg caattttgct attgttttgc 240
 gattgattgc tatgtgctag cgtctgttgt atggtggtga gttacgaggc cattgagttc 300
 cttctgtcgc ggaaggttac agtcaaagtt ttgtgattga ctgctatgtg ctagcttctg 360
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 gtttttggtt ttgccggcat tcaa 444

<210> 26544
 <211> 179
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C5

 <400> 26544

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 ctaactgcat gacctcctac tacaccattg atctgtcagt ggtcttccca atcgatcac 179

<210> 26545
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-036-Q1-K1-C6

 <400> 26545

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 ccgcaagagc ttgtcgccag aggcactctg caagctgagg agatggctcg agtctgacca 180
 gtagacgctt ctatctgtag aggccagcgc cagcctgtgt ttctgtgctg tggctgtgta 240
 aatattggcg ctgatgggtg tccgtctagt acggctgtgc ttacacggcc agcaattttg 300
 tagctgagag agagttcccc ccaccggcgc tgccgctttt gtttcacacc gtttngtacc 360
 tttgtgggat gtacatacca ttatccattg tgctcggttc ggctcagggtt ggcagagaga 420
 ataactactc tagttcgcta ccaccgttg cttgcctga 459

<210> 26546
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-G3

 <400> 26546

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agattattgc tcttactcat gcaaaagata tagtcgtatt catcgatggc aattactatt 120
gtatttgagg aggcatccaa aggaggtgct cctttgtctn taccaattgc tagtattgag 180
gttgggcatg gtcacagctt gccaaaccta gcactcagga ggggcgagga acactctttt 240
attctcaaac cagcaactat gtcctcaagg gaacggaaga ccaacagtca tgcacctctg 300
gccttatcac tccaacgat gaccggtgct actntaaata ctcatacacc agaggctggg 360
gagccgatg ctgatctaag cgaccaatat gctgtactgg tatcttatcg ctgtaattac 420
acagaatcga aactttttt 439

<210> 26547
<211> 443
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G4
<400> 26547

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tgcatcgcca ctaaaccatg atgaccaca taagccactc ctaataagta acaatcatca 180
gatggagtcc aatgccatga tgcaaaatcc aaaggagaac cagatgcagg gcaattgttg 240
tggaacagtg atgggcaagg gccgcctggc gacactcggg gaagaacaca gtgcaaaaaa 300
gctcattcgg tgtgtggact tttggctcta ctacacagcc tacttctgtg gagccactgt 360
tggcctggta tacagcaaca acttggggca gattgcgcag tcattgaacc agcagtcaca 420
gctcaccatg ctcccttgctg tct 443

<210> 26548
<211> 408
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G5
<400> 26548

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catctgcctt cagctcatatc ttgctttaac caactagact tgcctgagta cacatccaaa 120

gagcagctcc aggagcgggtt actgttggca atccacgaag caaatgaagg ttccggattt 180
ggctaatacag ttatactcgt ttgtccgtgc cctgagaact gcaaataaggc gagcagcacg 240
tgtgtggctg atctcattct gaactccacg tgtgtgatga gagatggccg gagagaacat 300
gtccaggata gacgaatgcc cgtgggagag gtactactgt taagagagag agcgacgatt 360
ttgtgtttat aatctttgtc cgtttgtagt ttttgcctta cattggtc 408

<210> 26549

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G7

<400> 26549

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ggctctgggag agctccctca ggctttgcc cgctgagcg ctgtttacgg tggcacgtac 120
atgctgaaca agccagaatg caaggctgag tttgatgaga gtggaaaagc gtatggagtc 180
acttctgaag gggagaccgc caagtgaag aagatcgtct ggcaccttc gtatttgcca 240
gacaaggatga agaagggttg aagggtggcc cgcgcgatat gcatcatgaa gcatcctatc 300
ccggacacca aggactcgca ctccgtgcag atcatcctcc ccaagaagca gctaaagcgc 360
aaatccgaca tgtacgtgtt ctgctgctcc tacgcccaca acgtcgcgcc caaaggcaag 420
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<210> 26550

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G8

<400> 26550

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gatcatgata tggatgctga ctgttcgcaa cgcaggatat atcatagtga tgctgggtag 180
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tgaccctgac catatactgg ctccagctaa ccaagctgac catgaccaga tgcgggtgaa 300
gacttaacag gctttgcaag acgctgaaag cgctgaagat gaacaacctt taggcgtaga 360
agctcac 367

<210> 26551
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H1

<400> 26551

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ggccatggtg gcggcggcgg tggcggcggc ggcgctgccg ctgctcgtgg gtggcgcgta 120
cgcagactgc tacaactacg gtttcaccga ctgcttgacc aaggacaggt ccttgaagga 180
ctactgcagt tacgcctgcg acaggacttg cgcgcccgcg gcggcgcccc ggcgccccgt 240
cgccggtctc ccataaaact gccagctggc ctgcgtcagg gactcctgca gccgtcgccg 300
tgcagatgct aacgacatga aggcctgtta cgggcagtgc tacgaccgtt gc 352

<210> 26552
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H10

<400> 26552

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tgtgccggaa catacagagc aatcctcttg cactgccacg tacggtgcac gcaccatggc 120
tgtgtccccg gccgtcctgc tcctcgtcac cctcacgggg gctgccgcgt cctcgcccac 180
ggattccact cctgaggatg ccgataccaa gccgagcatc ctgaccccca tcgcgcacag 240
cccgtgga tcttttgaag ggcgcgatgg gccgctgccg gacaacgcca tcgacgacga 300
tgacgcggcg cccgtgggct caccatcgg caccaccatg acggagccgg agccgcagct 360
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tgctgctgct gttgccgc 438

<210> 26553
 <211> 145
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-H11

 <400> 26553

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 agtctatcct agtgtcagtt gatttttctg gtaaaactgt gaccaaataa gttaattcgc 120
 caagcatcat tactatcgga atttc 145

<210> 26554
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-H12

 <400> 26554

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 agtaaaggag cgtaggagcg tcgttttctg ttgtggctga ataaataatg tgtctgtgtg 120
 ccgatcccggt gtcgggttag tggggccact gtcgggtgctg atgtggcctg cttttacagc 180
 acatcggtgg ggctgggccc tagagctcct gtgtcgttta aatatatgtg tactctgtac 240
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<210> 26555
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-H3

 <400> 26555

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gggttccaaa acacggccgg cgcggagaag caccaggcgg ttgcgctgct ggtgcagtcg 240
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 tccaaggcgc agttctaccg caactgcata atctccggca ccgtggactt catcttcggc 360
 gacgcggcgg cgggtgttcca gaactgcata ctggtgctgc gccgnccgat ggacaaccag 420
 cagaacatcg c 431

<210> 26556
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H5

<400> 26556

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 tgattgcaag caggggtgata gtcataga ctatagctga actttcaagc tgtcaaagta 180
 gagaacttct gctgtaacga tactaaaaga cccaatcgat ctcgtaattta gcacatatga 240
 gtactcagat gacgttgccg atcgatcttt tgcgcatgca aacttaactt atggcatgtt 300
 tatgactacc catatgttca caaagtgtcg tgcttgcaat gctttgaaca tctgatcttg 360
 gaagtacttg gatccataga ttaggtaaga tc 392

<210> 26557
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H6

<400> 26557

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cgcgcggtct cccggcggtg gcgcgggcag acccgcgct cgggggcg cgcggtgcggc 360
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 tggcagcgcg cgacacgcgg gcac 444

<210> 26558
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-G2
 <400> 26558

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 atccaaagcg agcctgggtgc cgtcatccgt ggcaagaagg gatcaggagg catcacctg 360
 aagaagacag ggcaggcact cgtcgttggc atctacgacg agccgatgac gcctgtgcag 420
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<210> 26559
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-E9
 <400> 26559

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 ttttagtctg gggtgtacgt tattaattct ctagtgtatt gtatttgccg aacgcgctgt 300
 acttaacgta gccatgtatt cgcgttgctg ggtggagagg ccaacgattt ataaaaaaaa 360

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376

<210> 26560

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F1

<400> 26560

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gacccccaaag cccacgcttc cgaattcacc gactcctcct acacgccgcg tcgagatcgc 120

tcaggccttc gcttccagca actccaccac tcagcccacc cgccggagca atggggagca 180

cggggcgcga gccggagggt acccgcgccg actttccga tggcttcgac ttcggcggtg 240

gcacctgcgt gtaccagatt gagggagcga gaagggaggg aggcaaaaga gacagcatat 300

gggatgtatt tacagatgac aaagaacatg tcttagacag aagcaatgga gatattgcag 360

ttgatcacta ccatcgatac aaggaagaca ttgagctcat ggcaagtcta cgttttagcg 420

catacagaat ttctatatc 439

<210> 26561

<211> 199

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F11

<400> 26561

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ctaccacatc atcctatgct acaagtatat cacctccgtc agtcaacaag gccgagctct 180

cccagctcat ctgactcac 199

<210> 26562

<211> 442

<212> DNA

<213> Zea mays

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<400> 26562

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cggcgacttc agcctcagca cctgctacta cgccgaggag gaaaaccacg ggcccggcag 240

ccaacatgac cagacgcgtc aagtggagg ggatcaagaa catcacctac cagcacgcgc 300

tgcagaagta caccagctag agttcatcc aatgccagca ctggctccca cagctcggcg 360

tgccattcat accggggctg ctgccgcagc agcaatcggg catgatacac tgacatctaa 420

tgaagatgat atatgatcgg ca 442

<210> 26563

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F2

<400> 26563

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actgggcccg cgaccgcaag cgcttgcca ggtgcgccat gggcttcggc cacaggacca 240

ccggcggggt ggccggcaag ttctacgtgg tgattgaccc cagcgacgac gccgtcgacc 300

tcgtcacccc caggaagggc acgtccggc acgccgtgac ccgggcccgg gcgctgtgga 360

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<210> 26564

<211> 436

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<223> Clone ID: LIB3066-035-Q1-K1-F3

<400> 26564

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cgttgagcgt ggccggcagc accggaggtt cggatggtgg cgtcccccaca aacttcctga 180
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acggtagcgg acgtcgtcga ggaaggcagc gcgctcctcc atctcttgcg ccaccgcggg 360
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<210> 26565
<211> 443
<212> DNA
<213> Zea mays
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<400> 26565

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ggacgcgaac aggcgccaga gtgggatcca gcagttgctg gctgcggagc aggaggctca 180
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tgcagagagc agcggcgact ccggtgcaaa cgtcaagcgt ctcaggaag aaacggcggc 360
gaagatcgag caactacccc agcaggccgc atgcatctcc ccgcatgtca ttcagatgct 420
tctgcggcat gtcaccaccg tca 443

<210> 26566
<211> 366
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-F5
<400> 26566

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 ccggaggaag tctcctccg tctccaccg cgcaagccac acctccacca cgtcgccgtc 240
 gtcctccggc gtcgttgta aggacgtcgt gaaggatgcg gcggcggccg gcgaggtgat 300
 gacgcccgc gacgcccaga agcctatctc tgtcgacccc aaggcagacg ccatcccggt 360
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<210> 26567
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F6

<400> 26567

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 gtatgttcgc cttctctgtg acaatgaggc tgaagtgcgg attgcagctg ctggaaaagt 240
 taaaaaattc tgcaaaatat taaaccaca aattgcaatt gaacatatc ttccgtgtat 300
 caaggaatta tcatcagatt catctcagca tgttcgttca gctttggcat cggttattat 360
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 ttctttgctg aaggatg 437

<210> 26568
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F7

<400> 26568

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 agggttcatg atggggatgt gggaggagat ggtggtggag ctttgaaacg ttggaactga 180

cagaaagcga gctattacta gactaaaagc tctatgctgt atctgcttga tcacgtttta 240
 atactacgaa gacctgggcg aactatcctg tgcacatgca ttccacacgg aatgcataga 300
 taagtggatc cagatgaaca cgttgtgtcc tgtatgcaag gctgagatca tgggatcata 360
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<210> 26569
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F8

<400> 26569

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 tttggttcat ttgaggcact tgtaaagagg atgaatgcag aaggcgctgc ttacaagga 180
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 gctaatacagg atcctctggt gactaaaggt gcaagcttgg ttccgctggt ggggattgat 300
 gtctgggagc atgcgtacta cctgcagtac aagaatgtta ggccggatta cctgaacaac 360
 atctggaagg tgatgaactg gaaatatgct ggagaggtgt acgaaaatgt tcttgcttga 420
 attgtcttaa tggacaat 438

<210> 26570
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F9

<400> 26570

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 cacacaggta acgcgtgcgg cggagttcgc ctgcaagcac ggctgctcct actacaagga 180
 ggtaatggag aagaacaagc agtacgtcgt tcagcccccc accgtcgaga agtgccagga 240
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ctggaaggag cttgattgtg tcaagcaggt atggaagaac aggaaggacc tcacggttga 360
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gattgtcggc ag 432

<210> 26571
<211> 431
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-G1
<400> 26571

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tatattagta gatcttcgat cgttcatcca agctaataag tcagtaagca gcagtaggtc 180
gaaaatggcg atgaggtcgc tagcgctact ggtcctctc agcctgctgg ttgttggtgt 240
ggcgccangcg gtggagttgg agatggagtt ggtgcctgct gatgcaattg cgatgactat 300
ggatcatgag ccgcccang agtgcgcgac cccggtgagc gtggaggagg cgtgccgcgg 360
cgcgtcggag acgcacgccg gcgtggccta cgaccactgc atggcgctgc tgggcgccga 420
cccgccgagc a 431

<210> 26572
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-G10
<400> 26572

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gcagccgctg gtggcggggg cgccgcccc accgcggcg gcggccgtgg tgccgcccc 180
ttgggtcgcc atgccgttcg cgccgcctcc cggggccacg gccatggtga tgcagccgca 240
ccatatggcg cctccgccgc cgcagttcgc gccgactcac ttcgtgccgt tccacgccgt 300

cgcgcgggca ccgtcgggtgc cagcagcgggt cgcactgggt tccccagcgc cgcacagcc 360
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 ctatct 426

<210> 26573
 <211> 185
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G11

<400> 26573

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 caatgtacat aggaagagca ggagcatgcc ggcatgaaaa tttggagcct ttttttcagt 180
 gtgtc 185

<210> 26574
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G12

<400> 26574

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 ttacttgaaa acagtgacaa ggtaattatt tacctgtcta agcagttgct gaatcaataa 180
 ggaaaaaaca caacacatca tgataataat gaggcaatgc aaatacgact tttgtattgc 240
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 ccttaaattc aaaggcccca acgactgaat gaaagcagat ccaaaaaaat gctcaaaaaa 360
 aagagcagtt ccacaaatgt tccttcccct acctatgggtg acctt 405

<210> 26575
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E8

<400> 26575

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agccggacgg acggggtagg gcgtccgggtg ctagtagcct ctgacgaaag agacggaagg 180
ctgctttcgt gacattctat tctatttggg ggggtctaata cgcgcgtctc tctgcagttt 240
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ggtgcatagt ggagcacggg gtttcgagaa aagaaagacg accggggccac agggaaaaac 360
gccagagaa gcctcaaaaa aggcacccta ctaccttggg ggtgggtggca gtggtaggaa 420
cagtagacga cagcacgct 439

<210> 26576

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D2

<400> 26576

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gtgtgaacta actacatgag acgacaaggt gcaagagaca tgtctggggc atcatttgta 120
tggctttaat ttttgttatt atatatagat aaggaaatat cttccttaaa aatggagtac 180
aagggattgt t 191

<210> 26577

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D3

<400> 26577

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gcccctccgg cgaccgccat ggactgcaag gccgggtgtg acgagggtcac gggcccactc 180

cacatgagca tggaggactg catgaagagg tgcaaggaga tcgctgctaa gcaggggcct 240
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 atctgcctat ccatgcatgc attgcattgc gtatgcacac tgtgcgtgcc tgcccacaaa 360
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 tcgatgc 427

<210> 26578
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D4

<400> 26578

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 catcaccaag ttctatgagc agttcaagtc agaatcgttc aacggccgtg cctccgagtg 240
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 cattcgcgtc agatacgact ctagccaata tggatcagga agaaatgtat cagtgatcgc 360
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 caaactaaa 429

<210> 26579
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D5

<400> 26579

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 acattgatca ctgcctgaca tgggctagat ctgagtttga aggtctacct gagaagactc 180
 ccactgaagt aaacgctttc ctgtcgaacc ctggtggata tgcaacggca gcaagaactg 240

ctggtgatgc acaggctagg gaccaacttg agcgagttat tgaatgcctt gagacagaca 300
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<210> 26580
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D6

<400> 26580

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 ggcttccttg ccacgtccgg caagtcggtc aagttcctgt gcgcgctcac cctatacaag 180
 gagt 184

<210> 26581
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D7

<400> 26581

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 ctccgattgt ggaggcagca aatgttcagc gaatcgaga acagcttact atggggatga 180
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 ataatcccag ttcctctagt gcagtgaggt cagtaggtct ttctggagtt cagatgatga 360
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<210> 26582
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D8

<400> 26582

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<210> 26583

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D9

<400> 26583

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<210> 26584

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E1

<400> 26584

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ggatttcgag cgattcgact ccttggggat ctctcgccgg ggtaaagcgc ggtcgaccgt 180
cggccatgtc aaggtgcttc ccctaccgcg caccggggta cgtgcggaac ccattggccg 240
tggcc 245

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<210> 26585
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E10

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ttgcgattgg ttaa 434

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<210> 26586
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E11

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ccgttctgca gcgaggagtg cagggagcag cagatcgagg tggacagggc gaagcaccgg 300
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gacaccc 427

<210> 26587
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-E12
<400> 26587

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agagtc 426

<210> 26588
<211> 345
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-E2
<400> 26588

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<210> 26589
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 26589

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cacattat 428

<210> 26590
<211> 66
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E4

<400> 26590

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<210> 26591
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 26591

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ctaagcgtgt gcgtgcg 437

<210> 26592
<211> 433
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E7
<400> 26592

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acgaccagga gatggagact gccaagacca gctcttctgt tgagaagagc tacgagctgc 300
ctgacggaca ggtcatcacc attgggtgctg agcgcttcg ctgccctgag gtcctcttcc 360
agccatcctt cattgggatg gaagctgctg gtatccacga gaccacctac aactncatca 420
tgaagtgcga cgt 433

<210> 26593
<211> 420
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-D12
<400> 26593

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 ggtcaagggc ctcacgtgac agagcctgct tcgtctgagg gagccggcgc tgggtgctgcg 120
 gtgccgagag gcggaccgga gcctgggtga ggcggtgctg gaggtggcca agaaggagta 180
 cgccgagtag gccaaaggtca acctcccca gatcatcatc gacggcatgg tctacctgcc 240
 gccgcagagg accagccgcg acgcgcacgg gccagcctgc tccggcgggcg tatgtgctcg 300
 cgtcccatga cggcaagatc gtctgcgaca aactctgga ctccaggctc aacgtctact 360
 gcaggcgtaa gcttcatgag atcatgatga aactctgcag ctagcgagta tcgtgctaata 420

<210> 26594
 <211> 127
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B6

<400> 26594

cccacgcgtc cgaaaaaaaa aaattgcttt aaaaaaaga aaaaaaaga taatgggagg 60
 ggtaaataag gaagaagggc ataaataaat caaacattc gatgtcttcc ttaaaaaaat 120
 atgagggt 127

<210> 26595
 <211> 409
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-B7

<400> 26595

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 ctggctacga cggcgcgaag gcggacatct ggtcatgtgg cgtgatcctc ttogtgcctc 120
 tggcaggcta cctcccgttc aacgacacca acctgatact ggtgtaccgg aagatcacac 180
 agagcaacta caagtgccca ccgtgggttct ctgtcgaggc gcgcaagctc ctgcgccaggc 240
 tgctagacct caaccccgagg actaggatct ccatctcaaa ggtcacggca aatccctgggt 300
 tccagaaagg actctgccct ctaccaccg acaagcccct cgacttgtgg gagacctccg 360
 aggtgctcgg caaggaaaaa gcctgcagggt gccgncacca ccagcgcgga 409

<210> 26596
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B8

<400> 26596

aattgaataa ccatatggct caaggttatg ggagaagga ttacagagat aatgacttga 60
gagttaggcc tgagagaaga cactcaccct atgggaggtt tccccctgaa agagatatca 120
ggcgtcgttc atttcgtgat aagagacaga gagcaagttc tgaagatagg ggatctagtc 180
attcaagatc acctattagg aagagtgaga gaaaacatag caaaagtcct gatggtggaa 240
aaaccgattc atccgtaagt tttagaagtt cagataacga agacaaagga aaagatgaaa 300
ggtacttaag cagtgatgag aaaaatggcc gtgaagaaca attgaaacaa atgcatctgg 360
acatggaagc attgcgtgaa gataaatcat agctggaggc gatattggag aagaagactg 420
atgaagagcg caaactttg 439

<210> 26597
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B9

<400> 26597

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aacattatgg aatgggatta cagatatgcg actagcataa tgaataagtt ccaagattgt 120
gaggcgtcgg tctaataata attacatcgg ttggttttga gatgatccaa agaagaaaga 180
aaatacaaac cagcggatta tatattcgga ggagacttga gagtacgtga gaaagagaga 240
ggttacgaag agtgattata tatataatat atgcatgtta gtcaattggg tcagatgcag 300
gcgagctcct ttgccaagcc gatggacttg ccgatggcgt tcttgacagac tgccatggtc 360
ttgttgccgg atccattgta cttgatgtcg acgttgacga gctgcacgcc ctggcatggc 420
atgttgttgg cgcagttgaa cgtgatggcc ttcggcgtg 459

<210> 26598
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C1

 <400> 26598

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 caacttcacg taccactggc agcccaagga ccagatcggc agcttcttct actaccccag 120
 caccggcatg cagcggggcg cgggcgcccta cgggctgac agcgtacaca gccgtgacct 180
 gatcccggtc cccttcgaca cgccggccga cgacttccc gagctcgtgg gcgactggta 240
 caccaaggac cacgccgtgc tggccaagaa cctggacgcc ggcaagggga tcggggcgcc 300
 ggcgagctg gtgatcaacg gcaagaacga gaaggacgag tcgaaccgga ccatgtacaa 360
 cgtggaggcc ggcaagacgt accggtttcg ggtgtgcaac gtgggca 407

<210> 26599
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C12

 <400> 26599

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 gcgtctatga tggccatggc ggcccggaga cgtcccgggt catcaatgac cacctcttca 180
 accatctcag aaggtttgca actgatcaca tgtttatgtc agcggacgtg atccggaaag 240
 ctttccaagc aactgaggag ggctatcttt ctctagtcag caaggaatgg tctttgaagc 300
 ctgagatcgc ttcagtgggc tcctgctgcc ttgttggcgt aatctgtgct gggactctct 360
 atgttgcata cgtgggcaac tcacgtgcag ttctaggaag gctagttaag gcatctggag 420
 aggctgtggc catgc 435

<210> 26600
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-C2

<400> 26600

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gggaaattgt cagggacatg aaggagaagc tcgcctacat tgccctggac tacgaccagg 120
agatggagac tgccaagacc agctcttctg ttgagaagag ctacgagctg cctgacggac 180
aggatcatcac cattggtgct gagcgcttcc gctgccctga ggctcctctc cagccatcct 240
tcattgggat ggaagctgct ggtatccacg agaccaccta caactccatc atgaagtgcg 300
acgtggatat taggaaggat ctgtatggca acatcgctcct ctccggtggt accactatgt 360
tccttggcat tgctgacagg atgagcaagg aaatcacccg cctggctcct agcagcatga 420
agatc 425

<210> 26601
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C3

<400> 26601

cccacgcgtc cgctctaccc ttccctcgcg ccgccgccac cgcaagagta tctcaactgc 60
gcctcgagac ctccccccct cgctggtctc agccatggtg aaatattcga cggagccgtc 120
caaccccacc aagtccgcta aggccatggg ccgtgacctc cgtgttcact tcaagaacac 180
acgtgagaca gcttttgccc ttaggaagtt gtcactcacc aaggccaaaa gttaccttga 240
ggatgtgatc gccacaagc aggccatccc gttccgcagg tattgtggtg gtgttgggcg 300
cactgctcag gctaagtctc gccactcaaa tggtcaggga cgctggcctg tcaagtctgc 360
taaattcatt ctagaccttc tcaagaatgc agagagcaat gctg 404

<210> 26602
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C4

<400> 26602

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cttgcgagaa cgccagtgtg accgaccga cgaagggaac agcgcaggtc acgcacagcc 120

agatgatcca tgggtgctact gctaactaca ctgatgctgc agacctgaag tggcgctctt 180

gccggacaac tgacgacctg catatgcaga actgttttcg ttatcgtgct gtttcatgga 240

gcctgcgctg gtctgaatcc tctgcagca ctggcaccat ctcatactct gaccggtctt 300

cctcctccag ttatacgtcc accacaaggc tctccactg cttaggttct tggacgacaa 360

agacggccac atctaactcg tgcacacgct gtgacagctt gacc 404

<210> 26603

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C5

<400> 26603

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caattcctct ggaatatagc gaagaatgca gctgggctcc catctttgtg aggcagtcaa 120

atttcaagtt acctgctgat ccgtccactc ctattatcat gattggctct gggacagggc 180

tggctccttt tagaggcttc ttgcaggaaa ggtagcatt gaaacaatct ggggcagaat 240

tgggcacttc aatccttttc tttggatgca ggaaccgtaa tatggactac atatatgaag 300

atgagttgca aactttcctt gaggagggg cgctttctga gctaattggt gcattctctc 360

gggaagggcc aacgaaagaa tatgtgcagc ataagatggt ggaaaaggcc acagatattt 420

ggaacatca 429

<210> 26604

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C6

<400> 26604

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agaaagagag acggaacgaa agaaagtcgc acatcgcttg atgatgcatt gttcaagagc 120
 tcactacatt aatgcgctga catgtatggt gcttctgctg gacaaatggg agcaagatat 180
 cctgacatgt ttctggttct cctgctgctt catggagcca gtgctgcttt gaatcctcca 240
 acagcacggc caaaatggca tactctgagc ggtcttcctc ctcaagtcac acctcgagga 300
 cgattctctg cgaccgcata ggcttctgta agacaaggct gacccttgat aactcgacga 360
 ctcgctctga gatcttgccc aagatggaca ggacgtacaa tctgtaagga gaggatgtcc 420
 tactat 426

<210> 26605
 <211> 166
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C7

<400> 26605

cccacgcgtc cggcgacgct tgccgaaata gtgtaccaca ggtgcgaaac caacactgca 60
 gcagacagaa tgactgcatt ttcctgacct gaataatacg ttgattgtgc gtagtaaagc 120
 tgtgacatcc atcgttgaac agtaccgatc agacaaccgg acagga 166

<210> 26606
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C9

<400> 26606

cccacgcgtc cgccacctcc atccgtgcgc ctctcgctct cgctgggtggt gctcctgctg 60
 gtgctcctgc tcccggggcg ggcggcctcc ttttccacct cctgctggtg ccagggccgg 120
 gagggcgtcg cggaggtggc gcgcatgggg ctgcgcgggg acgggtcggc ggacaccgcc 180
 cacctcagta ataataaaaa tgggcggttc atttatggag ttgcgagttc tcttggtaaa 240
 agagcatcga tggaggactt ctatgaggca agaataagacg acgttgatgg agagaaaatt 300
 ggaatgttcg gtgtatatga tggatcatgga ggagtccgag cagctgagta tgttaagcag 360
 caccttttca gcaatttaac caaacaccca aagttcatca ctgataccaa ggctgctatc 420

gccgaaactt ac

432

<210> 26607

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D1

<400> 26607

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gaaattctca aaagcgaaat caatttcttc ctctcagttt tttgggtgatc aggccagttt 120

tgaaaaggac gctcaagtct ctctccaaaa gttttctggt tcctctgcga tatcaagtgc 180

tgacctatct ggccatccgg caaacaattc tagcgtggat ctcagtgcct cagatttgat 240

caacagaatc tcgttccagg cactcagga tctgtcttct atcaagaaca tggcagggga 300

aaccgggaaa aagttgacat cgatggcatc caacatcatc actgatcttc aggaccgtat 360

cctctgagct ttaaaactcac agtaaaacttc tgcgttggtt cagtggctgg cttctcccgt 420

cgacccgggt gac 433

<210> 26608

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D10

<400> 26608

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aaccgggggg agtctccaga agttcgctcg gcggcatcgc tttcttggtg agcatgggtgc 120

atgtcaagat cactcattg tttcagggtc actctttcct cagtgtctaca ttctacctga 180

gatgtatcaa gattcgctac acaatttttt tcttcccaac tggacagatt ggcaaccttg 240

cagatactcg taatcggact ctgcatgggtg tttgaagggt tcacagctgt ttcattggggc 300

atcaagcccg ccgttatgcc agataaccaa cacgaacagt tttgactctt taatcattca 360

tttctggtga gaatgcaccg caaatct 387

<210> 26609

<211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-D11

 <400> 26609

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 tatacaatct gcatgtgggg aagtcctca tatctgcttc gggcagagct atgcatacaa 120
 gtgggtggacg cctgctggta aattgtttat caagatcgct cgagcatata aatttactcc 180
 tattatcttc taggatagat ttggcacacc attccccttc ccaaaaccca tgcattgtgat 240
 cttgggtaaa ccaatcgaag tcaataagat tcccatact acaatcgacg agacaattgc 300
 aacagtatgc atgttcttgg cgggaaaagt tgaacaaaca cccaaacctc tgaaagatgt 360
 catacttctt tcatatgaga tcatccacaa aaa 393

<210> 26610
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-B5

 <400> 26610

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 cgccgccgca ggaagagcag ccgcagctgg agccccccgt gtcggccttc atggagatga 120
 cgacggagga ggagcggcgg aggggcgacg ccgggtgctg ctgctgcggc tgctgctggc 180
 tcgattactc ttgggtgctgc cggtgcccgt ggtggcgatg cggctgttgc atctgctcct 240
 gccccagctt ctgccggtgc ggctgggtgca catgagagat ccaggagtgt gcgggagatc 300
 acttggtgcc cggaacttca tttggtctca cgagaacgag atccgcgtcg cgcgcacctn 360
 ctgcttgtgt tttcggagga ttattcggca gacaggggtt ggcgttggca tgtgcacgtc 420
 agctgacac 429

<210> 26611
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A7

<400> 26611

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cggcggtga ttctatctc atattctcag agcagtaaac taccagcagt aaaataacaa 120
aggtagcagg tagtacaagg cgaaggcgaa ggcaatctg gaacgagctc gtgcaccgcc 180
tcgagccctc gactactcgc cacgtgtcgc gagcaggccc accaggacct ggggtggagcc 240
ggtgcaggag acgagggcaa gatgcggagt accagtgcta ctgctcgggt ctccattaaa 300
aagcagtaaa aaaaatcggg taccagaggt ccagaacaag tcgtacactc gtactacagt 360
ctacagtcac ggcgcgaca gcaaacggcg cgggtcgcca cattatctga tccccgcccc 420
ggtctcggca c 431

<210> 26612

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B8

<400> 26612

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gcacgtgttc tgggaccggt accaaccggc ccagcgcgcg tgcaacctta cggcccgtgc 120
gttctacgac gggccggcca agtacacgac gccatcaac ttcataaagc tggcccaggc 180
cagttaatgg tttctgtatg gctgtccacg aatacttact agccacgaat acctgtgaaa 240
acagcaaac aaaaaatggg caccgttggc cattatacat ggaaacttgt taatttaaaa 300
aatagaatgt ttctatctgt ttaat 325

<210> 26613

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D6

<400> 26613

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ctccccctg gcttgcaggg tggggcacga acgaggcgct catcatctcc atcctcggcc 120
accgcgacgc cgcgcagcgc cgcgccatcc gccgcgctta cgccgaggcc tacggcgagg 180
agctcctccg ctccatcacg gacgagatct ccggcgactt cgagagggcc gtgatcctgt 240
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agccccggaa ccgtgtgctc gtcgagatcg cctggacgcg caactgcggg cagatcttcg 360
cgaccaggca ggcttatcac gagcggttca agcgtcgcgt tgaagaagac atcgggtgcgc 420
atgtcactgg ggac 434

<210> 26614
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E12

<400> 26614

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ctgcaaagcg tggatgtgca aggcggagtg ttggacggag gctaagttaa ctggaggcaa 180
agtcacgcaa cagaagtgca tgagaggtgg gatcaagggc tgggtgttact gcgaattctg 240
catttaattt tgcaaaggag aaggatcacc atttctttgc ttgggtcttgc cttgggtcaat 300
aacttagtgt aataatgcta gttaagtctc taggcagact aggotagatc gagttgtttg 360
ttgctggtag ctaggcattg ctagcgtctg ctattggttt aagata 406

<210> 26615
<211> 279
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F6

<400> 26615

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tggtcgaatg aatgggggtg tcgggctatg ctcgtttgac gtctgatcg aatcaaacc 120
tttcaccgtt ggttgctca tgccgtggtc tgggaagtcg atgactggtc atcatggcag 180

gaggccccga ccgaccgtgc aatcgtgtgc ctacgctttg gctgtgcgcc aatgaaatca 240
cggaatcttt ggatccaatt cggcatcaca gtagaccag 279

<210> 26616
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G1

<400> 26616

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cgagacaaaa ttaacgcac tctacaggaa ataacgatgt gagatggta aagcaaaaca 120
aacttaactc atcagttatt gtcgcgcgag agcgcgctcg cgggcatggg catgcgaacg 180
ttagcagcgg cgacaaacga tgcgagggcc caaaacgccc ggctctctgt tgcgtccgt 240
ggagaaggag atcgatcaga tcatgttga gagcgagcgg cagttctcgg acatctcgac 300
gagcgacgcg tcgaactgct ccatgggggt cttttcgcca atctgcctga actgctcgtc 360
gcagttctgc atgttctgcg ccgtcatgcc catgggtg 397

<210> 26617
<211> 275
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G8

<400> 26617

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gagagacctc agccctcagg caagccgacc gccgacgtac caccgcgcca acccgagaga 120
aagatggaga tgatcaagag gatcctcatc ggcgcgctcc tgggactcgc cggctcggcc 180
accgaagtgc tggcctacac cgaggccgcc gtcgtcggtc caccagccgc atccgagtat 240
acacggtcag tcgaagccgc cgctggcgcc gcctg 275

<210> 26618
<211> 195
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H10

<400> 26618

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tctcgattca gaatcctgat cttgaatttc tgttgtgcat cgaaatttat cctgaacagt 120
acacactgta attctgaagt acaggcaagc gagtggctaa atgtatctga tacttgaaag 180
cagagaagac tgaac 195

<210> 26619

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H3

<400> 26619

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cgaccatggc gttgctcccg cgcaccgcg cgcctggccct cctttccacc ccgcgggcgt 120
actccgctgc cgctgctgcg ggcgcctccc cgacgtcccc agcgccatac gggggcgccc 180
ccccaccggc gatgtogaag acggccgagt tcgtggtctc taagggtggac gacctgatga 240
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agatgatgca cgccggcgcg tcccgtacg acttcgaccg gtteggcgctc atcttcgctc 360
cgtcgccgcg ccagtcgatg tgcatgatcg tcgccggcac gctcaccaac aagatggctc 420
cgccctccg caaggtttat gaccaaagtc ctgagcct 458

<210> 26620

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H5

<400> 26620

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gttggcctga gtcgagttgt cacagtctgt atctatcgct cctgaaacct gaggggcctg 120
tattgtttgt caagcacttt gtttcttctc ttctgtttgt agcctactat atccactgaa 180

atctaagggg cctgtattgt ttgtcaaaaa taaaacctac taaaacact

229

<210> 26621

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-D12

<400> 26621

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caaggagggc atccccccag accagcagcg gctcatcttc gctggcaaac agcttgagga 120

cgggcgcacg cttgctgact acaacatcca gaaggagagc accctccacc ttgtgctccg 180

cctcagggga ggcatgcaga tctttgtgaa aaccctgacc ggcaagacta tcaccctcga 240

ggtggagtcc tctgacacca ttgacaacgt caaggccaag atccaggaca aggagggcat 300

ccctccagac cagcagcggc tcctctttgc tgggaagcag cttgaggacg ggcgcacgct 360

tgccgactac aacatccaga aggagagcac cctncacttg gtgctgcgcc tcagggga 418

<210> 26622

<211> 168

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E5

<400> 26622

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cgttctgcat gcagatcacg ctctagccaa gtgtggctat acaactcctt taattccatt 120

ctgcatagcg tggatgtgca aggcggagtg ttggacggaa gctaagtt 168

<210> 26623

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G12

<400> 26623

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caacaaggca acaacaatct gttccggccg ccaaacaaaa ccaaaaaaaaa aacacactga 120
accaataat ccgatccac agaaactttt ctctcggtcc gttcgatcga tcgctgccgt 180
gtcgtttgcc agacaccatc agcacccaaa accatggcct gcaacctggc tcagtgcgcc 240
accgccgccg cggcgaccgt cgcgccccgc acccctcgcc ctgctgcgtc cgcgtccgtc 300
tccttctccg cgaggaagcc ggcggggcgc agcctgcggc tgcagcggca ggcgtgctgc 360
gagccgtc 368

<210> 26624
<211> 96
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-C10
<400> 26624

gacgcctgat gaggctacta gcaaacaaca ccatgtgttc ggattgtcat tggttattga 60
tgtcttgatga atgaataata taaat tttttt ttggtc 96

<210> 26625
<211> 377
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E9
<400> 26625

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gctggctgcc atgctagcgg tggccgccga tgctgccaac gccggccacg ccaagcccct 120
gacgcctggc gggcgcgctg tacacgacaa ccacggcaag ttcacggccg ggccgtggaa 180
accagcccac gcgaccttct acggcgggcg ggacgggtcc ggcaccacgg cgggcgcgtg 240
cgggtacaag gacacgcgcg cgcaggggta cggcgtgcaa acggtggccg tgagcacggc 300
gttgtttgcc gacggcgccg cctgcggcgg gtgctaccaa gtgcagtgcc tggacagccc 360
caacgggtgc aagcccg 377

<210> 26626

<211> 238
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-G2

 <400> 26626

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 tgctgctctt ccgcaatccc gtgtggctgc tctgcacttc ttgatgcatt tttgttgaca 120
 tggtttgcgt ttcattcaaa cttagaatgc ttcttaattt cttttcgttg cattgaaaat 180
 atccagcggg ttattgggtg ttgggctaataaatagataa actgttcacc tatgggttc 238

<210> 26627
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B4

 <400> 26627

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 gtgcacagct tggcagacag tgaggctgag gcgctggaag aactggggcc cagtgcagct 180
 gagccttcac cccacctcc cctcccccg ccaccaccac caccacagaa agaggacgac 240
 gccgatgatt ctggctggga gtcagactcc tccgtagcgt cctgccagc cacattgtca 300
 tcagaggaga ggagacggcc tgtcggatct cttccacggc cggttaagtct aaacgcgttc 360
 gatatcatct cgttctcaag gggattcaat ctgtcggggg tgttcgagga gcgaggcaat 420
 gaagtgag 428

<210> 26628
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-D5

 <400> 26628

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accattgtgc cattgttgct gtgagagaga tgtgcgtcag ccaacatgtg tgctattgct 120
 ttggcttatt tgtgttcaga atccacttaa actcggtcga agtgagcttt ccgttcggca 180
 acgtctgtac tcttacgaat ctcgatcgtg tatgtcttta agtatttgtg tgtgtttcaa 240
 agataaaaaa aggtgacctt tgtgtatgat tttttataca cgttgtctct tagctgcatt 300
 gatagtctaa agtctcagaa ttgtaccatg canaaaaa 338

<210> 26629
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D7

<400> 26629

cccacgcgtc cgtatggcta gttcgtggat ggcggcgcca cgacctctcc tgttgctcgt 60
 gctggtcgcc atgctagcgg tggccgccga tgtcgccaac gccggccacg ccaagcccct 120
 gacgcctggc gggcgcggtg tacacgacaa ccacggcaag ttcacggccg ggccgtggaa 180
 accagcccac gcgaccttct acggcgggcg ggacgggtcc ggcaccacgg cgggcgcgtg 240
 cgggtacaag gacacgcgcg cgcaggggta cggcgtgcag acgggtggccg tgagcacggg 300
 gttgtttggc gacggcgcgg cctgcggcgg gtgctacgag gtgcgggtgcg tggacagccc 360
 cagcgggtgc aagcccgcg cggcgggcgt ggtggtgacg gcgaccgacc tgtgcccacc 420
 c 421

<210> 26630
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A7

<400> 26630

ggattgtggg cgagtgcgtg cgttcgtgca gccagagaca ggcgtccggg caccatgtct 60
 ttcaccggca cgcaggacaa gtgcacggcg tgcgacaaga ccgtccactt catcgacctc 120
 ctcacggccg acggcgccat ctaccataag acatgcttca agtgcagcca ctgcaaaggg 180
 gtctctcga tgtgcagcta ctctccatg gacgggtgtg tgtactgcaa gaccacttc 240

gagcagctct tcaaggagac cgggagcttc tocaagaact tcacgccagg tggcaagtca 300
 tcagacaagg gtgaactgac aaggggcccca agcaagctgt cgtctgcatt ttctggtacc 360
 caggataagt gcgcagcatg ccagaaaaca gtgtaccgcg tggagaagtt tactctggaa 420
 agccagtcct accacaagag ctg 443

<210> 26631
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B2

<400> 26631
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 ggccatgacc agtgtgatgt gctgctctat atatgggcca tgatctgtgg tcaccagagt 120
 gtttgttcac agatttgaaa aacaacaagc aaaacccaaa cacacatgca gcggacgcgt 180
 gggctgtcag cataagagac gaaacgtccg tgcgctatgt gccgctcact agcaaggacg 240
 cccagttgca cgcaagctga gtgatctatc atgtcaaaaa aaaaagttat cctcacctga 300
 caaggtgagg cattcaatcg aatcgctacc cttgtaaatg tattaatcct actgtctcag 360
 taaatgcgct ggcttggaag taatgtaaat gatggaacat caaanaaa 408

<210> 26632
 <211> 145
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E4

<400> 26632
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 ggagttaaaa aaatgtaaat caatgtgcaa actcaaatga catcttaacc agttgtgatc 120
 aatctcaacc gctaattgat tgcac 145

<210> 26633
 <211> 438
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-G6

<400> 26633

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cggttcggct tcgagatcaa ggaggtgggc atgaccagcc gctacgcgtc cgctgaggat 120
ctgcaccaga tggacagcga ccaggaagag ggtgctgagg gtggcgatga cggtgacagc 180
agttgccac acgccatcga catgcaggcg gaggagttca tcaccaagtt ctatgagcag 240
ttcaagtcag aatcgttcaa cgccgtgcc ttcgagtgat ccattgatcc atccgcttgc 300
ggcatgtatg taatcgttct gatcttacac cgaaattgca ttcgtgtcag agacgactct 360
accaatatg gatcaggaag aaatgtatca gtgatcgcat cgataaaaaa aaaanaacan 420
nnnaaaaaaa aaaagaaa 438

<210> 26634

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H2

<400> 26634

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gggcatatat atattcgtgc caagataaag gtaatggagt cgtcacgcag gttccagccg 120
gccgtcatcc tgcttctcct gctcattgtg tccaccgata tgacacaggc aagggaatgc 180
tagaagtaca gtgagcgatt tgttggcgca tgcattgatc cagacaactg cgccaatgtg 240
tgccgctgtg agggcttatt ggccggcagg tgcaacacct tacgccgacg ctgcatctgc 300
actatgcagt gctaaacaag atcgctcgat cgctcgccat gcacgcacaa cctattctta 360
atacacgtca ttatctcgta cttatttatg acgaatgtca tgtatggctc tggtgactgt 420
catctatatt ctaatgactg tcatttatct tggtt 454

<210> 26635

<211> 56

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H4

<400> 26635

gtgggaaaaa aaaaaaaaaa aaattaaaaa aaaaaaaaaa aaaaaaaaaa aaagag 56

<210> 26636

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E5

<400> 26636

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acaacagctt tgcctcgatc gagagcatgc atgaatcaca ggcgtcgctc aatcaaaaga 120

aaggaagaaa caaatgatg tgtgggggtg gggtttggtg catggcgcgc gctgttaaaa 180

ttcgacacag gacagttgcg taaatagacc tagcgtaatc agctgcacaa acgaatgaga 240

gagcgagcga gggaagcaaa atctgggtga ggagatgaat agatgatgac aggagcgcaa 300

cgcggcctgg cagactgggc ctatgcagta tggacctggt tc 342

<210> 26637

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E8

<400> 26637

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aaaatgcaac gtcacgaag ttggatatct acatagagga catccagaaa gggaaacatg 120

gaagcgattc agggtcatac gacgccgaag gaaggtttgt tcttgacaag ttcgaagaga 180

tattcgccaa gcacgccaa actgtccccg acgcctgac gtcggacgag atcgaccagc 240

tgctgcaggc gaacagagag cccggggact acagcggatg ggctggcgca gaagcggagt 300

ggaagaccct ttac 314

<210> 26638

<211> 401

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-E9

 <400> 26638

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 ggagccggaa cccaccatc atcagccagg gcaaccgctt ccgcgccgtc gacgacagca 120
 ggttcaagga ggtgaccaag cgggagtaca cgcagtacag cgagtacaag aactgggtgt 180
 ggaagtgcga ggacgacctg ttcctcaacg gcgccttctt caaccagtcc ggcgccaga 240
 acgagcgcaa gtacgacagg ctgcacctca tccaggccaa gggcgccag tacgccagt 300
 cgctcaccag gtacgccggc gcgctcaact gccgcgtcgg caggaagtgc tagtgcggtg 360
 gcagctctaa gctgcagctt tcatcattgg cgatcgatcg t 401

<210> 26639
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-F8

 <400> 26639

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 aagatccatc ctaattcaga catctcaact agatgcaaac ttttttgggg aaaccgaaca 120
 attggtttta ttcctctgag ctcttttgaa catattgcaa tgtatctcct ttgaacagtt 180
 gttccttttt attcctttga ggagctaagt acccttttat tcctttgttt atgtttatgt 240
 tgtaagtata tttgaaatat gatttgtgct ggagatattt attaacttat ctattgtttt 300
 atcttccagg cccaacgatt gtggttcagc tctgtttatc aactcccttt cgagaagaga 360
 tggccaccgg caggaacaac ttatcgacat tagtggccat gggaca 406

<210> 26640
 <211> 60
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-H4

 <400> 26640

cggaacgcgtg ggaaaaaaaa aaaaaaataa aaataaaaaa aatatcataa gttcaaaaaga 60

<210> 26641
<211> 350
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-C12

<400> 26641

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gcagctgcag tgggtgaact tccctcctgg tctgctcct gctgctgcaa caaccaggtg 120
acctgatcga tggtagctgc tgttcctgtc gccattgcct cctgctggca ggaacaggaa 180
ctctctgaag cacgggggtca gggtagttca tgttgcttcg attcgatcgt aggggagata 240
atgccggatg gcgctgctca tgctttgtaa agtttgggag gacatgcac ataattgaag 300
tcaagtgata ggatcctggt ttttaagtac acgatacaac acanaaaaa 350

<210> 26642
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C6

<400> 26642

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gggattatac aactgacct cttatagtag accgtggatt ccgaagctca atcctctcaa 120
gcatagcacg ggctggccat gccatctagg agctatatgg ttctcctcag gacgtcgagg 180
gagtagtgaa tgatggaaaa atctatgtag tccagacaag accacagatg tagtatgtat 240
gcatctatta gacagctcaa taagcactgt tgtacgcttg tatggttggg acatatgggc 300
gttatggcat gtatagttgt atgcctagat gtacatcacg tgtactcgta tatatatata 360
taaagtctga aacacgcatt ggtccaaaag tgtaagcaat ccaag 405

<210> 26643
<211> 410
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D11

<400> 26643

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ttgggttaatc cagatctttg ggaataactc tcgaaaccga ataaactttg gatacagaga 120
tgccagtttt caggtgcctg cactatttga cattaatggt gcacctatgg ttccgaacag 180
aggaacagtt gaattctctg gaggggctga agcctgcact tgtgcagttg agattatata 240
atcgcgctga tttatttttg aacctgtatt cagctggtgt tgaggcattt gtttctgagg 300
tgaaatgaac tctccatgcc caacaactga aactaaagac gacacgataa ggtgcctgac 360
ctgaaccggc acatttctctg tggtcaggtt taatcatata tatgtagctg 410

<210> 26644

<211> 267

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D7

<400> 26644

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gatcgcaatt aaaatgggtga gacctattc tatatacatt ctcatactca tcttctactc 120
gttcatcaac attatcattc tcatttcata cattatattg accatatata ccttctacta 180
tcttcacatc tctcattttt acaagcgac gattatccat actctgaata atatctccta 240
tcattctact tattatcaga ctatctc 267

<210> 26645

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G8

<400> 26645

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aggactaagg agtcgaagat gactgcgggc gtgctgtccg tgcgcacgac gacgacgtcg 180
 ctgctagcag cagtcatect gtgcctctgc atcgctctccc tctccccccg cggcgccgct 240
 gccgcgcggg tctccccccg cgccagcccg atcggtggcca cctgcatgac gggcccgtag 300
 ccggagctgt gcgtggggga gctgggacag cggctgctgg acgtgcagac gtcgatcgcg 360
 tccgcggcgc ccgaccagcg cgcgccagcg atcgcgggcg 400

<210> 26646
 <211> 329
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H12

<400> 26646

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 atgtgctcag gacgacgtac gggcacaagg ccgacatctg gagcgtgggc gacatactct 180
 acataattct cgccggcggtg cctcctttct gggcagagaa cgagaacggc atctataccg 240
 acatcctgcg agggaagctt gacctctccg gagagccatg gccgtacatc tcgttgggag 300
 ccaaggacct catgatgaag atgctcagc 329

<210> 26647
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H8

<400> 26647

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 cttaaccgga ttcgatactt aaattttata gtgcaaaatt tatagcccat tgcagccag 180
 ttggacgttg atggttggca cttgcagagc tagcaaaata taatagtact actagtgtga 240
 aaggagggcc ttgtggcact ggcagctccg gcaactgcttc tccggtgcgt tgctgctatc 300
 gccgttcttg gcgtctaagt accatccgga gagcgtgtcg aagaggatgc ccgcgccaac 360

gccaacagcc aggtcaatgg tgtagtgt

388

<210> 26648

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B2

<400> 26648

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cccttttccg acattcacag gggggacagg aaatcagcgg ccatggcctc gattccggcg 120

acgaccttcg cgtcatctt atccgtcctc ttctgtgccg cggctggcac cgccgtcgac 180

aacgacctcc ccgactacgt catccagggc cgcgtctact gcgacacctg ccgcgccggg 240

ttcgtgacca atgtcaccga gtacatcgcg ggcgccaagg tgaggctgga gtgcaagcac 300

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acgatcgagc 370

<210> 26649

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C12

<400> 26649

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aactggggcc ccgactccga ggatgctgag cccgccccgg ctgcctacgt cgaccctcc 120

tccgcctcc actccggcgg cacgtgcctc aaggccggcg cctccctcag ctcgccccc 180

acgcccacca agccgacctg gccatcgac ccggtcctgg cacagcccat ggaggacgtg 240

cgcaccatat acaccgtgcc caacgagctc ggacgcggcc agttctgcat caccagcctg 300

cgcacgcaca aggacaccat ggactcatgc gcgtgcatga ccatcgtaa gcataagctg 360

tccacca 367

<210> 26650

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-E5

<400> 26650

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gagcgggagg agtacctgca tacgatggcg tgtgctgact gccgtgcggc agctggcgct 120

gctgcatagt cgtggcgcat agcggagggg cgtatgtcgc aactaccggc gatcaacggg 180

actacaatgg cgatgagatg ctgaaacgcg cgcgtgatgg ctgctgcgg catatgacgt 240

ttgggctagc atggtgcgcg gaggatatga ttcaagcggg cgagctgcgc taggactatc 300

accgggtcca tgtacatatt ccggcttctg cagcgcgaga acgattgtat gatccgcgtc 360

agcacgctga ccaaaaaaat gggtttaagc ctttcaaagg gttat 405

<210> 26651

<211> 184

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F12

<400> 26651

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atgtgtatta tatacaagac gatacaacc tgcgggtggt ggatcatgttc ctaacctttt 120

tgcacactcc acttgctggg tgcaatatgc ctgcttccag atgcagaaag acattgaacc 180

tgac 184

<210> 26652

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F4

<400> 26652

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gttgatgccg atgatgccat gagagactag cttcgctgtg ttgtttgtta ctaaataagac 180

agaacttgag agtttcacaa cttaatgtgc aaaaacatat tgccttataa tttacacttt 240
 attttcctca cttatgtaca tattcatacc atagtatatgt aatatctgtt gaagtcgtca 300
 aaaaaaaaaa aaaaaaata 319

<210> 26653
 <211> 439
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F9
 <400> 26653

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 cgcccacgcg tccggattac catgagcagc gggccctggg acccggttcc gctgggtgcgc 120
 atggactccc tgtcgtcgtc gtccacggcg cccgacgtgg agctgacgct cgccaacttc 180
 accgtggacc gcctcataca gatgttcggc gccaaagggg tcacggttca agagctgggtg 240
 tcgctggacg gcgcccacac gctgggcttc tcccactgca aggagttcag cgaccgtctc 300
 tacaacttca gcaaccacgg cggcaagccg aagcagttct accccagcat gaaccggttc 360
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 tttaacgaca tcatgacgc 439

<210> 26654
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-G7
 <400> 26654

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 ggatgtcgtg gagggcaggt ccatggcgtc cgccgacgcg cctgaggcgg cggctgacgc 180
 gcccgctccc ggtcccgact ccgcctcatc cccggactcg ccgtcggagg cgccctccag 240
 cagcagctca tccgactagc cgcgcacaaac gcagttcttg tcatgatcta tctagcaaata 300
 aaaaagatca tatgtctcgg ttgattctct ggaataacta atagtatata tgctgcgccc 360

ggatgatata taaatatgtg ca

382

<210> 26655

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H1

<400> 26655

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aaaagccaaa agaaaaacgt acgtctagac aacaggatgg aagaatcaaa gcccaacttca 120

ccgcacaccg gagctagcta gagcctggta caccagagtg gtaagcggcc ggggccggcc 180

ggccacggag aggatctcct cgccacacga cgacacctat gatatatcta ggctaggggc 240

tgcagggcctt ggggaactgg tagccaacgt acttggccct ggcgttctcg cacttggccg 300

atgtggcacc ctggccct 318

<210> 26656

<211> 69

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A1

<400> 26656

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atggcttat 69

<210> 26657

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A5

<400> 26657

gtatcttcgg taaaaattat agcagtgcaa atcatagcac attctgtagg tgtaggatac 60

agtaacacag cagcagaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120

cctccaacgt ggcacctacg taccgtaccc cagtcacca cccacaccc tacctcgctc 180

gcagtcgcag cttccgctgt acgcacacta ctgcgcggtg cacgcaccga cgacacggcg 240
 gcgcagctta tgtatgagta agtataggga ctgccatac aggtagtcac cgcagcgtgc 300
 cccccgtct agcgatcgaa cacagtcgac ggggaacgcc ggccgggtccg gtcagttggt 360
 gagcg 365

<210> 26658
 <211> 381
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 26658

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 tggccacgtc ccgcttgac tcgccaccgg gaaagctctc cttcatgcac acctcggcgc 180
 atctgtcgct gttgaagcag aagccctcga actggagact cggcgataag cattgactct 240
 cttccttctc cgtgcttttc tgctccttct tctccttctc ctgctgtttc gctttctcca 300
 ttatcaaggc atgcatgggc atggctactc ccattttggc atcgatgggt cccacctctg 360
 ctgcgacgag gaggagaaac a 381

<210> 26659
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E7

<400> 26659

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 gtgatcacat ctgagaaacg gatgtgattc ttccttctga ttgttttgtc atcctaatat 180
 ttttttgtca catatgagag gagcttttagc ttttaagaggt taactggcag cacctcgaac 240
 ttctttgggg tgtttaacac ggtttgagac cgtcaaataa ttttgtcaca tttcttgccg 300

ttcagaaatt ctttcaacat tggaatggag ccaagaattg tctgtaataa tcaacatcag 360
cattataaca gtatgtaggg tttatctc 388

<210> 26660
<211> 153
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F8

<400> 26660

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ataatataga atcttcacaa aaatttaata tatatatattca aatattttcc taatttttta 120
aatctcatgt cctcttctta tttttttcca aat 153

<210> 26661
<211> 62
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H9

<400> 26661

aaaaaaaaa aaaaaaaaaa aaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 60
aa 62

<210> 26662
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C6

<400> 26662

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cctaaattgt caagcaaggt ttggatcatc taggagcttt tggatgatga tgatggtgct 120
ggatatttag ggttgggttg gtatttccgt atgtaagatg tatgcccctg agctcggcag 180
tttttgagct ctgcttaaga ttctcacagt taaattgttt tatgtaattt gggccttgag 240
atgtttctga accaaacagc taaaagagtt cagttgagtt aactgggtgc cattattaca 300

ttatgagatt ctttgaaaaa aaaaaca

327

<210> 26663
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F1

<400> 26663

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cacaccgcgc cgctgacgcc atgaagcctc tgggcttctc gaagaaggag gtcttcgccg 120
tcctcaagaa cctcctccag ctgttcgata actcctggga gccattgag gacgagtgtc 180
accgcgccct cgccgatgct atcctcgaag cccgcgaccg gcccagatg cattgcagca 240
acagtacaag aggggttcgg cttccgccgg aaggggaggg ctgccggccc cggccttcta 300
cttcccgatga catccacgac ggtctggatg gtgggaccga ggcccttcgc atcaagagga 360
cgaggatcag cgctagtgtc tctatcgatc cccagtcttc cggctccgct gcggaagccc 420
ttgatgaacc tat 433

<210> 26664
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E7

<400> 26664

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ggccgcggag aagaggaggg agcgcgctct ccgtccgcca tggcgggctc ttccgacccc 120
gacaagctca tgagcaaagc cgacaaacta acaaaattga gttttacaag atggaatgct 180
gattggaaaa gcgctacctc cttgtatgag caagctgcaa ttgcgtatag gttcagaaag 240
gacaatgaga aagcaaaaga tgcttttgag aaggcctcaa aaggacagga aatgatctcc 300
tcaccatggg acgctgctaa gcatatggaa tctgctgctg ctttagcaaa ggagcttggg 360
cgctggaatg aagtatctga tttctatcac agagcttcag aattataccg tgaatgtgga 420
aggccacaac ctgcatctga tgctct 446

<210> 26665
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F10

<400> 26665

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gaggccaacc tcaagggcgt cgacgccatg cccgaggacg tcgcccaggc ggtgctctac 120
ctggccacgcg acgagggcgcg gtacgtcagc gcggtcaacc tcatgggtgga cggaggcttc 180
acagccgtaa acaataacct cagggcgctt gaggattagt tgaggcattt atgccagctc 240
tgggattggg agggagtatt accactatct cttctgctgt tgtgacaagt gattgcaaga 300
ctaataaact gcagcatgtt catgtatcca acagatgatt gaacagaata gaa 353

<210> 26666
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F4

<400> 26666

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tggtatctgt tccaccttta tgtaagagct gagagatccc aaatttaatt gtactcaagg 180
ttgctgtaaa tatgtgtgtt ctgttgattc taatgtggat ttctgttatt gttgtcgtaa 240
attaatttgg tcagaaaatg actgtcgaca ttcatactat ccaagccggc actttattgg 300
gggtgtcttt cttttgtaca ttaatgaatt caagacatat ttgcaacgct cttgtatgtt 360
ttgtgaaaaa aaaaaaata aataaataaa aa 392

<210> 26667
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F5

<400> 26667

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gggacaatat ataaaaagag gg 82

<210> 26668

<211> 233

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G9

<400> 26668

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gtgcaggtta gttcatgtgg cgttggattc tatcgtatag tagataatgc cgcattggcgc 120

tgctcatgct ttgtaaagtt tgggaggaca tgcatacataa ttgaagtcaa gtgataggat 180

cctgtttttt aagtacacga tacaacacaa atcttaacat actccctttg ttt 233

<210> 26669

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H11

<400> 26669

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caagcacggc gccggcacgg ggaagctggg gccgcacgtc cagcactgcg aagacatgag 120

ctggggggctc aaacttgtcc atcccgagtg aaacagcaat aataatgaaa agaataatctt 180

ttttaatggt tcgaattcct gtgctaaaaa aaaaaaaaca caagaagaaa aagaaaacat 240

gaagcaacaa caaacataaa caac 264

<210> 26670

<211> 132

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H6

<400> 26670

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 gaaaaaaaa ataaaagaga aaaaaataaa aacaaaaaat aaaaaaaaa aataaatata 120
 ctataaacia cc 132

<210> 26671
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B6
 <400> 26671

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 gtcgcacccg tcggccgaga tctccgtctc caagcctccg ccgcatccgc cgcagatcca 120
 ttttgagaac gggagcacga gcacgtcac ggagaacccc agcccctccg tgcacgcgcc 180
 gccaccctcg ccggcgccgg ctgctccaca gcagcggcag caccagcacc agaatcaggc 240
 gcaccagggc ccgttccgcc gggagctcaa tttctcggac ttcgcgtcca ctccttcctt 300
 ggcggcgacc ccgtcgttct tcaagcccga gttcggcgag atcctcagct tcggcgccga 360
 cagcaacgcc cggaggaacc cgtcgccggt acctt 395

<210> 26672
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-D1
 <400> 26672

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 cgacgtccgc gacgaaggat acttcaaatg ccttctggac gggaaccttt tgcaaacgaa 180
 aatccacaat attggcgcaa cacttgtagg agttgacaag tttggtaaca aatattatga 240
 gaaactacat gacactcagt atggaaggca tatgtgggta gaatatgcag agaaaggctc 300
 ttacaatgca tccaagtgc ctgctgaatg gcatggatgg ctgcaccaca tcacagatag 360
 caccggggat aagctgctga accagaagac t 391

<210> 26673
 <211> 60
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-D12

 <400> 26673

atTTTaaatg ccgattgcct tggtttcaaa aaaaaaatac aaaaacacaa acatgggggac 60

<210> 26674
 <211> 87
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-D9

 <400> 26674

aaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaagaa 60

aaataaaaaa aaagaaaaaa aaaaaaa 87

<210> 26675
 <211> 308
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-D1

 <400> 26675

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tcagcaatat acgtacaatc cttcgtcgct catcttgatc ggagtagcta gttctctttc 180

gaaataatgc atatgcccta gctgctcgct gcacacacgt acgcacggac acacctnctc 240

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gacggttg 308

<210> 26676
 <211> 94
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G4

<400> 26676

aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaggaggggaa aaaaaaaaaa aaaaaaaaaa aaaa 94

<210> 26677

<211> 401

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-H4

<400> 26677

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gatccggcag gtggttcccc gtggagatga caacgatctg gagctgaacg cggagtccca 180

cttcctgagc ttctgtcagc ggttcggcaa gtcctacaag gacgccgacg agcacgcgta 240

ccggtctgtc gttttcaagg ccaacctgcg ccgcgcgcg cggcaccagc tgctggaccc 300

gtcggcggag cacggcgtca ctaagttctc cgacctcag ccggcagagt tccgncggac 360

ctacctcggc cttegcaagt cccggcgcg ctttcttaga g 401

<210> 26678

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-A3

<400> 26678

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ggccgcgcgt cgccttgaga tctgtggcgt cgtcggcgcc ggataacgag tagagatgga 120

ggagacggcg gcggtagcgg ggacggctga gaaggcgtcg tcgtacaggt actgggtgcy 180

ggaggccacc ggcgacgccg cgccgctccc cgtcccgcgc aagctcgaca ccgatgccaa 240

cgggaacggg aaccgcgcgt ccgtcggctc cgtctggaat caggctggaa catgggagga 300

aaaagaacct caactcatgg gccaatagta gaataaagga ttgatgggc tctatagggt 360
cattggcctt ncctacaggg aaggcatcta ttgacgaaat gtccaagtgc tcangcgacg 420
catt 424

<210> 26679
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-B11
<400> 26679

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gctcttccct ggccggccgag cggggctccc tctgacgact ccgcgcttcc tctgggtgcac 120
ggccgcttct attgccgtcg tctggggctt ctgctgcgtt accatgggcc aacacgcgag 180
gaaaatgccg agagagagag gtagagacag tttggctcgtc gagtcacatg gaggggtgcc 240
tggtggcccg ggaatccttc acctgoggag tgctacattg ccgggctgct gcatcgtgg 300
ctgcctctac taccagggt gactccattg ccggacagcc aaaactctcg gtcgagtctc 360
tgaaggccgt ctgtccctgt tccttcgcga gcgaggtcac gagtcacccg aggaccaatt 420
tggtgaggta cctggaatct caagtgccag ac 452

<210> 26680
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-014-Q1-K1-B6
<400> 26680

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gaagtctcag tagtatatat ggtagcggg gcatgctctc tcatgcaata tatataaact 180
taattagctt gctgctgcag gtccatagcc caccgcgccg gatgaatcga agggaattca 240
aagtctagta gaattggacg tttggaagt tagacggcat cgggtctcca gttcggcggg 300
atgacgtctt tggcgatgac cttcttgccg gactcgtgg tgaggcggat ggaaaagggg 360

cccttgagcg ccttggcagt gtccatcctt cagatggcgc cccaagagag cttcatgg 418

<210> 26681

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E12

<400> 26681

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ggagacaatc 70

<210> 26682

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E2

<400> 26682

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gaacactgtc tcgatgatcg tccatatatg cgacagtgtg tcgctgtgtg tgaacactga 120

acaacgtgtc aaaactgaac ttatgttgcc aattttattg caagcaacaa ggcgctccca 180

gctgatcttg tgcctttatg cagtttatac agttcaaaat ttcaaataaa ctatgaggct 240

cagcctagaa ttcattac 258

<210> 26683

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-G9

<400> 26683

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ggagaaaacc gtctgatct ggatggacat aatgaaggag taactatggc tggatatggc 120

tatgggatcc ctattagtcg cctttatgct cgatatttcg gtggggactt gcagatcadc 180

tctatggaag gatatggaac tgatgcttac ctncaccttt cacggctggg agattcggag 240
gaacccttgc cgtaatttat tcaaaagaac cattcctgta attaggatat tgcttctgtg 300
ctggatatgca agtatagttc tgaaggccaa aaattaaaat aaaaa 345

<210> 26684
<211> 202
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A4

<400> 26684

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aaaaaatgtg gatcaatgtg caaattcaaa tgacatctta accagttgtg atcaatctga 120
accgctaaaa aaaaaaata aaaaaacaa aaaaagaaaa ataaaaaaaa aaaaaaaaaa 180
aaagataaaa aaaaaacaaa aa 202

<210> 26685
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D2

<400> 26685

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aaacgggaaa ataaggaaaa aaaaaaaaaa aaaaaaaaaac ata 103

<210> 26686
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F10

<400> 26686

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ggctgattgt tacaatggag ggatgagaag acaggaaact ctagcaatca gatatatatg 120
cgtcttagca taaagttgtt gagatactaa tgctagcgac aactatgttg acttgctcgag 180

tatgtagaga tgggctcatc atttcgtggt gagcttgtag atatttcctg agattacttt 240
 gtcctgccaa acatgcgcca gttctccatt ggttgctaata gctcggctct gggattgtat 300
 attcgtatatt aataaaagta cttgctccta ttcgaattcg ataaacaa 348

<210> 26687
 <211> 106
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G8

<400> 26687

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<210> 26688
 <211> 284
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A6

<400> 26688

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 acattccatg tgtttgccac tcgcattcca tacactgatg caggtacatg tttctatata 120
 atcaggggtgc aacgtatata ctggtagtta ttccagagaa tgaagagggt tttgcgtcta 180
 gtcggaggag ctgctgctgg agggcgacgt tgagcatcag aaggctaata aggtgctcgc 240
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<210> 26689
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E7

<400> 26689

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ctgtcatgta tcttgttcat gtatgtctcaa gggttcattat cttgttcatg tattaagtat 180
 gttatgaata actcaatatt tattattttg ttcattgtatg aattatcttc taatgagctc 240
 aagggttcaaa aaaaaaacca acaaaactaca taaccacaaaa aaaactcatt taataacctt 300
 ttttaacttt atagtcactt ataaaaat 328

<210> 26690
 <211> 63
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-G10
 <400> 26690

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 tca 63

<210> 26691
 <211> 241
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-G11
 <400> 26691

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 acagtccgac tgggaaaaca ctcactttac ccacatgaat accctggcaa aacatctgca 120
 tttgcccaac atgcctaata aataaaaggc ccacaccgat tgccatctct aaaaactgtt 180
 cagcctgaat ggaaaatggt acgcgccttg taccccaacc ttaaccacgc attctgtgag 240
 g 241

<210> 26692
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-H6
 <400> 26692

cggacgcgtg ggaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaggaa 60

ggggaa

66

<210> 26693
<211> 460
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-H9

<400> 26693

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tcccgccttg cgcacccgca cctnccctcg ctctcggtt tcaccgagac ggacgacctt 120
ctcgcgtagg ccgtccccta ctgctccggc ggcgacctca acgagctccg ctactcgctc 180
cccgaccgca ttttctcccc cgcggccatc cgcttctaca ttgccgagat cgtctccggc 240
gtcgccgagc tccacgccgc gggcgctgtg taccgtgacc tcaaggtctt cgacaagcgc 300
tccgccgccc gcagcaggaa gcctgaagcc gaccgcgcgc cggtagggaga tcagcgtgct 360
ctccgcctt gcgcaccgc acctnctnca cccagcagg tcgtccgcgc agtcgtcgctc 420
gccccgcgc tcagcgtcgt cccgcggcca ccacaacccg 460

<210> 26694
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A2

<400> 26694

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ccaatgggat cgtgggaaca aataatTTTT tttaaaaaaa aagaggaccc caaaaagctt 120
atagcacagc cagacaatga atgttacaca agtgtaaaag atcaaacgac aaagctcctg 180
ctctgctcg tctcatgaag ctttcttggc cttggcaatg ctcaggaggt cgccgaaaag 240
cttgtcttcg ggcttcgtcg ccgcagaggg tggcgctctc gtagtctggt acgacgagtt 300
atcctgcacc gagaggccat acatgccctg ggacagcccg ttcgcgcgcg ggtaccata 360
cattcccgcc gtcccaggt tactgtagta gtgtgcagcg gccacagcag gatgctgcat 420
gtacc 425

<210> 26695
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-C2

 <400> 26695

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 tgaagtgggt agttgtgacg agtgaattca gtgctctgca gacaacaact attatcataa 120
 cctgagggta gagtgaatta ttcattgtaa aatataccta aaaccataaa tacataataa 180
 aaataaaaaa aaaaaaatac aaaaaacaca tgataaaaa 219

<210> 26696
 <211> 89
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-C3

 <400> 26696

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 tggatatggt taaagaagaa ggagagcat 89

<210> 26697
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-F5

 <400> 26697

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 tcatcggcgt cggcgacgac tgcattctca tcggccccgg gacctccaag gtgaacatca 180
 ccggcgtgac ctgcggcccc ggccacggca tcagcatcgg cagcctaggg cgggtacaagg 240
 acgagaagga cgtcacggat atcaacgtca aggactgcac gcttaagaag acggccaacg 300

gcgtccgcat caaggcgtat gaggacgccg nctnecgtgct caccgncctnc aagatccact 360
 atgagaatat caagatggag gactcgggct accccatcat catcgacatg aagtacttgc 420
 ccaac 425

<210> 26698
 <211> 267
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A7

<400> 26698

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 gtggacgagc acctgatgtg cgagatcgag ggccaccacc tcacgtcggc ggccatcgtc 180
 ggccacgacg gcgccacctg ggctcagagc accgcgttcc ccgagttcaa gcccgaggag 240
 atggctgcca tcatgaagga tttcgac 267

<210> 26699
 <211> 142
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-B5

<400> 26699

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 accagaaatg caatcgcaac cattcaaggg cctgtttgtt ttatcttaat tcacattgat 120
 cggagaaaaa aaaaaannaa aa 142

<210> 26700
 <211> 82
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C6

<400> 26700

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ccgtacattc taacacactc at

82

<210> 26701

<211> 289

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G8

<400> 26701

accattaaat tttttttaat aatttccctt tatattatta caggtttttg aaataaaaaa 60

attagggggc taaaaattgg ggggtgggta tggcccttaa aaaaacgaga gccggccctt 120

taaaacgttt ttagggaaaa tttttcattg cctggtgact ggaccattaa taggcccgtt 180

gcctggtttt tttggaccaa tttaccaa at tgggcaggaa attcttcaac ctaaaaaggt 240

tccccagggt gttagaatcc ccgggttttt ttggaaattt tgtaacaa 289

<210> 26702

<211> 115

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H5

<400> 26702

tacgtcggag ctcttttata gggacaccta aattcaattt actggccttc tttttacaac 60

ctcttttactg gtaaaacctc tctctttacc caacttaact gttcttcacc acata 115

<210> 26703

<211> 86

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A11

<400> 26703

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agtgcataaa aaaggaacta aactac 86

<210> 26704

<211> 350

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-D5

 <400> 26704

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 gggccggcgt tgccgctgct gttgctacca tgatcttctt ctactaaact caccgacgat 120
 ggtcgtgtcg cgggtgagaca ttaggggtgga cacgtaattg gctgtgctgt aatcgctctc 180
 gtctgggtggg gagggagggg ccaagtgttt ctttgctttg ctcacttcgt ttgctcttgt 240
 aacattatgg ggtcaaccgt tatgtaacta atggatttga ttaaaaaaaa aaaaaaaaaat 300
 attataaaaa aaagtaatat taaaatattt attaaaaatt tatatatataa 350

<210> 26705
 <211> 380
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-E4

 <400> 26705

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 ggcgtggggc tgcacaacct gcacatccac gactccaagg cgcactcggg cggcatgata 120
 cgcgactcga agcggcacta cgggctgcgc acgcgagcgc acggcgacgg cgtctccgtg 180
 ctgtcgtaca gcaacgtgtg gatcgaccac gtgtccatgt tcagctgctc cgacgggctg 240
 atcgacgtgg tgaacgggtc gacgggcata accgtgtcca acagccactt caccgaccac 300
 gaccacgtga tgctgntcgg cgccagcaac gacagcccgc atgacgcggt gatgcaggtc 360
 acggcggcgt tcaaccactt 380

<210> 26706
 <211> 65
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-E7

 <400> 26706

cccacgcgtc cgaaaaaaaa aaaaaaaaaa ataaaaaaaa aaaaaaaaaa aaaaagaaaa 60
aagaa 65

<210> 26707
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F7

<400> 26707

tacagcgaca aagtagaaga gaagaaggag ctgatcaagg ggataacgct cggtaacaaa 60
gacgaattcc agcttacgcc tctgccccaa caaggtcttg tgttatgggg agagcacgat 120
cagatattcc ctgtcgagaa agcatttgaa gtggcaaggg aacttggcgc aaatgctagg 180
ttggaggtgc tcgaggacac cggccacatg ccc 213

<210> 26708
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G4

<400> 26708

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ggctgagggc tgccgtgcgg ctagcgtcgg aagcggagct gccagtcgtc gcgtcgccgc 120
tgctgtcgct accatgatct tgtactgagt tcaccagctg ggaccgtgta gtctacgggtg 180
ggcacgtagt tggctcgtgc ggtaattgca tcgtctggtc gggagggacc aataacgcaa 240
gtgctgcttt gctttgctca cttcgtatgc tcttgtaact ttatggggtc aaccggtata 300
taactgaaac gatttgatta actgatacta atgctctcta tctgtcatgt ataagaaaac 360
tgt 363

<210> 26709
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-H10

<400> 26709

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tgtagaatcg ggaggatgtg ttttgctgga ttcttgtatt attcttcagt tcctttatatt 120
ccattatcgg aaacgaaggg agccttcgga tgagcacgac aacgcagaca aagcctgact 180
gatatagaaa ctactgtttc ttcttcggct caaagaattg aagctgaaat gggatcgcg 240
accgacctgc ctntacaac gggctctgga tagcagcagc atcggttgta cctgaagatt 300
tgagagcgcg tttcactggg tgctgctttg gagggctactt ctcaccgct catgtccctg 360
tgagaggctt gtgaaactat nattgtctcg tagtgtccaa atgtcttggg tttctattgg 420
attatatc 428

<210> 26710

<211> 218

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A3

<400> 26710

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atacgcagga ctttattcca catgcactag cactaaacct gcactacact tatcttctct 120
aacctgctat tgacactaac aatatgatga aacactttac aaaatcactc gatcactttt 180
aaggtagatc cccttacatt taccctctat acactttt 218

<210> 26711

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A6

<400> 26711

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tgtaaatttg tacagattat tattagtatg catgggtggg aggctcatgc tgacaaatgt 120
atgtactatt gtactgtata tctcgagttc atggtaatac aacacacaga ttctgcaaaa 180
aataaaaaat gaaaacaaga acgacaaatc acataaaaac agattaaaat cacacaaaat 240

gaagtcacctc aaacatatca aatcttcaag tagcgatcac t 281

<210> 26712
<211> 211
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C4

<400> 26712

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tgctccttgt taacatgtcg catgaccata atcttttggt taaattttta aatatagagt 120
tccatggcaa atggcaaagt cgaaactagt tactcctcca atatattgga agaacaataa 180
atttggtgta aaaaaaaaaa aaaaaaaca a 211

<210> 26713
<211> 186
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E12

<400> 26713

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acacaacgtc gactctgaaa aaactgtggc gtcacaaatc ttaatcctct tgcaacacat 120
ccctttttcg acatgtggca taatcgcgaa gaggcgcaca catatcggtt cttaaaacat 180
gtgcac 186

<210> 26714
<211> 69
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C1

<400> 26714

aaaaaaaaa aaaaaaaaaa aaacaaaaaa ttaaaataaa aaaaaaaaaa caaaattaaa 60
agggactga 69

<210> 26715
 <211> 229
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D5

 <400> 26715

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 ggggttaatta gatccaccgc tgggtgactc caattccatc tcgcaatacc ctggatttag 120
 cccgacacta atccctacag cttattctac acctgtgaca tctgattggt cctacttcga 180
 aagcaatcaa ctagacttca cttactcaat aacgccata agatctctc 229

<210> 26716
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H4

 <400> 26716

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 gtttcactat ccaccaccgc gccgctgcgg tggaatttct cctcgaccgg ccagcgcaat 120
 tctgtgcctc gatcgatcgg tcgtaaggca agtgagcaag ctatatatat atatatatat 180
 atatatatat atatatatat atatatagga gattcttcga gcgagctaag agcgagatgg 240
 gttccgacgt actgttttac tgcataatgca tcgacggcgt catcgcatcg tcggcggaca 300
 t 301

<210> 26717
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-C5

 <400> 26717

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 cgtatacata tgtgcatatt tgtttacatg tcacgggacc agtcctgcag ctgcgcctcg 180

gagaagagcg cctcgacgat gttgtcgatg agggagtcga cgaaggcggt gcaccccagc 240
 gtgaacatct ggccgatcct gttgcgcgct ctggacgccc acgcgaacgc cgtggcgcgt 300
 gcgaccaccg tcacacacac ccccgcggcc tctcgatct ccatcgtgtc cagcttcttg 360
 aacagcgagc tgcccgtcgt cgtctccacg gccactgc 398

<210> 26718

<211> 81

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C6

<400> 26718

aaaaaaaaaa aaacaaaaaa taaactataa aaaaaaaaaa aaaaaataaa aaaaaaaaag 60

aaggaaaaat attataaaat g 81

<210> 26719

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D10

<400> 26719

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ggggctcctc gaccggtcag cgcaattctg tgcctcgatc gatcggtcgt aaggcaagtg 120

agcaagctat atatatatat atatatatat atatatatat atatatatat ataggacatt 180

cttcgagcga gctactaccg agatgggttc cggcgacctc ttttactgca tctgcacgc 240

cgccgccttc gcatcgtcgt cgtccatggt cgccgccagg tccgcgcgtc cgggggaaac 300

ccccaagtgc atctcagcga gcgcacttga gtgctccggt aacgtaaccg aaatagcaaa 360

ggcgcgcaag ctgatcgatg tccatggaca caggctgtgc cactgcggc tcgaccacac 420

gcgcagcatc ag 432

<210> 26720

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D6

<400> 26720

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cgagttatct tatctatcta tagtatcgtg ttaccgttcg cttctgtcac cgtgttagtg 120
tccgttctac ctttggatta ggtgttggtta cccctgttgt tccctttggt tgctcccgtc 180
atgaaacgag acgagagaag aatgagcaag gtttttgttc gcagctatct ttgtccaatg 240
atattgatat gttgttcc 258

<210> 26721

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D9

<400> 26721

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tttgacacag cgcattgaaa agttggacga taaattggat cagcaaaagg ctctatctgg 180
acatataaga aatgatgtta ctgatgcacg tctgaagctt gagaatattg gttcagaaat 240
taagaacatc aatgaattag tttggggact ggatgggaaa attgattcaa tggaagctaa 300
acaggacttc tcatgtgctg gtgtgatgta cctctgccaa ttcataagagc aaaatgggtg 360
aaagcttacg gatc 374

<210> 26722

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E4

<400> 26722

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gactgcgcac gcgaggtgac aaagagcatg cactgcactg caccacatat gtgcatcgaa 120
ggttgaagac gaccagcacc tccggtcaga agagaggaag gagaggcggc tggagaaaga 180

gagccagggtc agcagggtgt tcaaaccgcc ggcggtacca acgaatcttc ctctttttct 240
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atacgagttt tcttaaagtt aacaacattc ttgactggca aaaccctggc ctttcccaac 360
ttaattgcct tgcaatacat tccctttttt ccagttgg 398

<210> 26723

<211> 321

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E6

<400> 26723

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tcaccgaaaa atgggtcagg gagggacctt aaaattaaac attaatcaac taaagaaccc 120
ctctaaaaat gatttttcaa aaaaacttac attgcacatt ggaggctttt tattggtagg 180
ggaaaaaaaa ataaagtcag ccatttaaaa aaataaacgt cccctataa actgccaggg 240
tgagtttaat ttacacggt ttattctaaa aacaccggcc agaaaaaagg ggtaacctg 300
cccccgaaa aacccttacc g 321

<210> 26724

<211> 215

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E8

<400> 26724

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tatgttttct ttccttcact gtgtaagtag aatgcagggtt ttcactgtgt aagcgttctt 120
ttatactctg ctagtaactg taaaaaaaa ccaaaaatac aaaaataaaa aaaacaaaa 180
caaaaacaaa acctagataa taaaaaaagc aaaac 215

<210> 26725

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G5

<400> 26725

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gacttttgag gcactctgtt tagcgatgct tgtggactgt gataggattc aatcggcact 180
ggagctctgc tgaaataatg aagctatTTT ctggggaaga gtgatagcta gtgtgaaatt 240
agTTTTTTTc tatgtaggat gtaagatctg ttctttcaga gtttggagct cataaataga 300
tgaatattca cagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaca 360
aaaaaaaaaa aaaaaaaaaa aaaaaccaaa caaaa 395

<210> 26726

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G8

<400> 26726

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aaggtgtatc ctcgctctacg atatcttcct aggacaaagc cggggccggtt aagctggacg 120
caggggacgc accggccagc actcatgaac ggcataaaac gcaacggctg 170

<210> 26727

<211> 63

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A5

<400> 26727

cccacgcgtc cgcccacgcg tccgaaaaaa ttaaaaaaaa aaaaaaaaaa acaaaaaaga 60
ggg 63

<210> 26728

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H3

<400> 26728

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agaaggcttc tggaaagaaa atccctttga tcatggggcca acggcgctcct ggtgatgctg 120
agattctctt ttcacgccc gcaaaagcag agagagagct ccaactggaaa gcgaaatatg 180
gcatcacaga aatgtgcgga gacctgtgga actgggctag caagagccct tatggatacg 240
cggcatctga gtctccgaag ctgaatggta gttcacgctg agcaacgccg attggcccgt 300
gtggactcac ttgtacatga gactgtagtg ccagccaacc aggataaatg tagatctagt 360
cggtcggtca tacagagaga agttctatag gcctaggaaa gaaatgttat cctgttcctc 420
agcataagct cccatag 437

<210> 26729

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E10

<400> 26729

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tgatgtaaag acagaagttg gtatgagtag aacatgcaca cacaaccaa acgaccctac 120
actagagatt ggaatccaag aataaactta acacaagacc aaatgggtgcc ggcacatata 180
tgcgtacatg catctgaaaa caagattaat aatcacataa aaagaaagtg gaacaccgaa 240
cccaacgcaa gcacaaatca agaaagaaac aaaggaactt tgacagccac gcccatgcgg 300
caactgcgcc gatcgagctc cggtcgacgt tgtcccacgg tcgtatgtag atatagtagt 360
acggccggta acgctgcgtg gtgaggtgag t 391

<210> 26730

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E4

<400> 26730

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 acccaagaaa taagtgatgc tagatgtacc ttctgacctt gttgtattgg gttgatatta 120
 ttacataaac taaatacatt atttatttaa gatttt 156

<210> 26731
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B1

<400> 26731

agaaatactt catgatgatg aatcatcagg ttaagatcga tctaaaccaa tccattttat 60
 gtatacatc gacatgccaa cggttaaaca acttattaga aatgcaagac agccaatagc 120
 aaatgctaga aaatcggccg cgcttaaggg atgtcctcag cgtcgaggaa catgtgctag 180
 ggtgtatact atcaacccca aaaaacccaa ctctgcctta cgtaaagttg ccagagtacg 240
 attaacctct ggatttgaaa tcaactgctta tatacctggg attggccata atttacaaga 300
 acattctgta gtattagtaa gaggaggaag ggtaaggat ttaccgggtg tgagatatcg 360
 cattattcga ggaaccctag atgctgtcgc agtaaagaat cgtcaacaag ggcgttctaa 420
 atatggggcc aaaaagccaa aaaaataagt gattcgtttt tagcccttat aaa 473

<210> 26732
 <211> 54
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F10

<400> 26732

tcgcccacgc gttcgcccac gcgttcgtcc acgcgtccgg ttctagatcg cgat 54

<210> 26733
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F7

<400> 26733

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 ataacgcaag acgtttgtaa atggacaatt cctcaggccc cttgtgttcg gcttgaggaa 180
 ggtecgctgtg tacgactgaa cctgatatac ccgggcgagc catgaattgg attcctaata 240
 gtgactccta aattcaatt 259

<210> 26734
 <211> 72
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A6

<400> 26734

tcgtctcgtg tgacgtatga catccaccag taattacaag tcgcgttgag atataactga 60
 agcaaacaga at 72

<210> 26735
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A8

<400> 26735

tgccgcgcct caatgtgacc ccgtgttccc acacgaccat cctagcgcga ggacacgtgt 60
 catctgaaaa gcaagttggt acctggaatc tcaagtgccg ggtcaagaac aggtaccaca 120
 ggatgaggca catggaggat gctgcgatgt gttcatgaga ggtctaggcc gtcgtctccc 180
 agtcaacttt gggttgctgg accgttgtct ccttataatg taattatata tttattttgt 240
 atagaactcc tgctatgaag taaagatgtg acattcaaaa gaaac 285

<210> 26736
 <211> 242
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C3

<400> 26736

tacactcggt cagatgcact tgatccggac taatgtacat cagcagcaga ggaccagct 60
 ggggtggtcg ccacgcacgt cgtatcgccc ttgttgctga catgcgccag tcattcggat 120
 tccatgccag gcaagccgga atagggtgtg caaagcactg catgcagata agtgtgcttg 180
 ccgctgatga ctgcgctact cgtgctatct gtggctgctg tgcacgcatg agtagcggcc 240
 ta 242

<210> 26737

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D1

<400> 26737

taccattccg atgggatcat gtccgtgtca aattgaaaaa ggagatagt acgtttggag 60
 acccaggtgt tatgccaaact aaaatcgttg ggaaatatgt taagccaaaa gactggaatg 120
 acttgataag tgatccagac actgtcatca ttgatgtgctg taacatgtat gagatacgca 180
 taggaaagtt taagaaagct gtcgatccac gtacaaactc attcagagag tttcctactt 240
 gggttgacga tcaatttcaa ttgggttcaat caggcaccct agggtcaggg ggagatgata 300
 atggaactcg tgaaccatcg gcagacctta atgccagcaa atccaaacag ctaccaagag 360
 ttgctatgta ctgcactggg ggtatccgat gtgaga 396

<210> 26738

<211> 216

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F1

<400> 26738

gctacaacga cagccatga attcaggaag agtttacagg agcaacttac aaggaggag 60
 gaggacagtt acaaatcttc ccggtgaaaa tgaaaatacg aacgaatctt tacaatatata 120
 tatatgtgtg tggtttgtat ttgtctgcaa aaaaaaacia ataaaaaac tgagtcgagt 180
 ttacacgggtg tagctctgct gaatggtgtc aatgtc 216

<210> 26739
 <211> 233
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-F7

 <400> 26739

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 cgattaacat gtctagctgc tacgatcctg tgattcgacg atgttaatta atcggcagct 120
 ttcattatga tgtgtagcag tatactgtat gattaattgt ggatcttttc gaaaacaaag 180
 actgtaatat tcgtgaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaac aaa 233

<210> 26740
 <211> 357
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G12

 <400> 26740

 ctgacgcgtg ggctgacgcg tggtcggcgg ctccctgcgt cgcgagctgt aggcctgact 60
 gggctggcat gccgcctccc ggttgacgc cgtcacgcgg agggagatgg ctactcacga 120
 cacgggaccg agacagtgcc gtcacgctgc gcgagttcta cggagactgg atcagcatgg 180
 gacatgacag aatgggggtga tggatgcaca tgtctgcaag cgcggacaga gactgagacg 240
 gctcgtcaa cgcggtcaaa ttcaacgact tcctgcatgc tgatgacagc aatcaagata 300
 gcgtgatgct gaggctactc acggacacgc tatgcgagat ggaccacgac ggagacg 357

<210> 26741
 <211> 214
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-A5

 <400> 26741

 aaccgccaac actttacact ccagtgtcga tatccatcag ggccagtgtt tacaatttac 60
 agacaatcat gaccaggaaa cagaaaagaa ttacacatat tgagtcctgg tgaaggacac 120
 ccatattcag aggagaacca gtgcatatat gtcgtccaaa aaaaaaaaaa aaaagatatt 180

tgagcataat tattttataa aatttattgt aaaa 214

<210> 26742
<211> 349
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-A8

<400> 26742

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cgaaactatc tcgacgataa gaaggttagg aatgcttagg gagattactt gggctctacaa 120
ttttctttca tagatgttta gtttgtttcc tgcgagatga tagatgttca ttacttatgt 180
taatttaagt acattttacc aggaggaaac tatagctttt cagcatagct agaaaaattt 240
ccctgagtta ttattggctc ctcttttttt tttgcatatg cggcatatgt gtaagggtgt 300
gggacaagga aataaacatg atatatagnt ttatagggtgt tttttttct 349

<210> 26743
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A9

<400> 26743

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ctgtatgttg taacacacgg ctcgtaggac gtacgttttg atcagctgca catacatata 120
cacattataa tcacacacat gcacacacac cgggtctagg cataacgatt actcttcctc 180
gccagacaag cccaagctca ccggcgtgcc agtctccggt atccagtcog cgccgtgcaa 240
gaagtgcccc accgtgaact gcagcgccct gtccttgccc atcacgtgga acccctgcat 300
ctccttcgac ccggtgacgt tggcgccgtc gccgcccgtt ctgaactctc cgaagaaggc 360
cgtgcccagg ttggccttgc cctcccaggg catgtacccc 400

<210> 26744
<211> 369
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B1

<400> 26744

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aggagggttc gcgctgatec ttctcgcgtg ctgcagcctc atcatgctgg cggcggcgtc 120

tggcggcggc ggcgtggacg acgacggcgt cgggtggtgac aggctgatga tggaccggtt 180

cctcagctgg caggcgacgt acaaccggtc gtacccgacg gcggaggaga ggcagcggcg 240

gttccaggtg taccgcccga acattgagca catcgaggcc accaaccggg cgggcaacct 300

gacgtacacg ctccggcgaga accagttcgg cgacctcacg gaggaggagt tccctggacct 360

gtacaccat 369

<210> 26745

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B5

<400> 26745

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attccatgca ttaaggaatg atgctcaaaa ttttgcatac cctcctgaag ggaaatatta 120

ttgtgccgat acttggcacc atataagggt caaagggtacc atgttcaaga ttggaggagg 180

ggacccgcac caaatggtga acaacaacac tttaaccatt tgcattgata acccgtaata 240

tggtggagcg agcatttagg gtattaaaat gaagtggaga gttctactga aaatgtcggt 300

ttacaaaata gaagatcaaa agatcatcgt tgcagctact atgtgtttgc ataactacat 360

ttgagaaaac catgttttag ataaggattt tgtgaaatgt gatcggaatc ctaaatatgt 420

gccacattt ctaaaaagggt atgctatatt 450

<210> 26746

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E10

<400> 26746

cacggccaaa tatggtagtg attggctaga tgccaaggcg acatggtatg gcaagccgac 60

aggtgctggc cccgacgaca atggtggcgg ctgcgggtac aaggacgtga ataaggcccc 120

tttcaacagc atggggcggc gtggcaacgt ccccatcttc aaggacggtc taggttgtgg 180

atcctgcttc gagatcaagt gcgacaagcc agcagagtgc tctggcaagc ccgtgggtgg 240

gtacattacg gacatgaact acgagcccat tgccggctac cacttcgacc tagcgggcac 300

cgcgttcggc gccatggcca agaaggggtga ggaggagaag ttgcgcaagg cgggcatcat 360

tgacatgcag ttctggaagg tcaagtgcaa gtatggatct aaggtcacct tccacttgga 420

gaaggggtgc a 431

<210> 26747

<211> 250

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G7

<400> 26747

gcttcttggc ttttaagaaa ctgagaatct aatttctata aacttagtca taaactagta 60

tgtttggaac cacctcaatt tctataaacc agtttcttaa aaactgggtg tttccaaaca 120

gggcctaagt cactgtagtg cttagccagt tgtaacttaa gagagtcttg ttaggttgcc 180

ttgtggccac aaaaaaaaaa acacaaataa aactgtgcat tacgaaaaac acaatgaaca 240

accacaaaaa 250

<210> 26748

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A12

<400> 26748

gttcacttct ccaggtaagg aaagggttcg tactcatggc gccgccgag ccaaagtcgg 60

gcctcttcgt tggcatcaac aagggtcatg tcgtcaccaa gcgcgagctg cctccccgcc 120

cgtgccaccg caaggggaaa tcaacgaaga ggggtgtctat ggtcaggggc ctgatcagag 180

aggttgctgg gtttgctcct tatgagaagc gtatcactga gcttctgaag gttggcaagg 240
acaagcgtgc cctgaagctt gctaagagaa agcttggaac tcacaagagg gcaaagaaga 300
agagagagga gatggcgggc gtcctcagga agatgaggtc ggctggtacg cacactgaca 360
agaagaaata gagagcattt caagttcatg gagcctgcca gagattatgt t 411

<210> 26749
<211> 251
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B12
<400> 26749

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tgccaaaaaa aacaaaaaca agagtcaaga acacagaaaa agaccaata ccaaaacaaa 120
aacaataaac aacaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaacaggg gcggcccttt 180
taaaaaaccc aaatttacct accctgcatt acaacgtcat acctttatga tgcagtcgcc 240
aaaattaaat t 251

<210> 26750
<211> 64
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B2
<400> 26750

aaaaaaaaa aaaaaaaaaa aaaaaattta aaaaaaaaaa aaaaaaaaaa aaaaaacaag 60
aaag 64

<210> 26751
<211> 219
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-029-Q1-K1-B8
<400> 26751

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tgatgggttn tttttatttc ggtaaaaatt ccaaaaaaaaa atcgggtacc cgaccaaacc 120
ggccgtaaaa tgaccttcg gttttgattc cggtttccat taaaaatttc cattccgaat 180
ctggtttcca attattccg taccctgaa ttcgaaccg 219

<210> 26752
<211> 158
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D5

<400> 26752

aaaaaacac cctaaattcc tcaacacaaa aatgtttata aataaggtgc acacaaaaa 60
aaagtgatgg gttttctaaa accccaataa aatcgtaata gcaccataa tcataaaccc 120
cttgaaaaac ctgtgatcgg atcaggccca acaaggac 158

<210> 26753
<211> 54
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D6

<400> 26753

cccacgcgtc cgcggacgcg tgggaaaaaa aaaaaaaaaa aaaaaaaaat aaag 54

<210> 26754
<211> 117
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H10

<400> 26754

gattggcggc cggagcgaga ttgttgatgc cttgttgga ggaggagggg aattggagga 60
atatatccca acaagaattt gattagtaaa atcggacgcg tgggttctag atcgca 117

<210> 26755
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H5

<400> 26755

cacgcagtac agcgagtaca agaactgggt gtggaagtcg caggacgacc tgttcctgaa 60
cggcgccttc ttcaaccagt ccggcggcca gaacgagcgc aagtaagaca ggctcgacct 120
catccaggcc aagggcggcc agtacgccga gtcgctcacc aggtacgccg gcgcgctcaa 180
ctgccgcgtc ggcaggaagt gctagtgcgt gtgcagctct aggctgcagc tttcatcatt 240
ggcgatcgat cgtaacaatg caagggtgtg ttgtatataa ctcttgtgtt tggaatgccg 300
cccgtaatga atgggtcaact ctaacactgc ttgcctttgc ctgccggcca gcaaaaaaaaa 360
aaaaaagaat tgaataaaa 379

<210> 26756

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A8

<400> 26756

gcagcattgc attaattaat gcaggtgaga attgtcgaat aatggaattg atacaccgat 60
tttatcagta cacttggttc ctcgcataaa aacttaccat tttggaagtt ccggaaaaat 120
ggactttggc tccaattaag aaaatacaat gtcacacctac gctatac 167

<210> 26757

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C12

<400> 26757

gtataggagc atactctaga taaatccttt attgtactgt ttccaaagaa acggacaagc 60
tatacattgc attcggaatt attgaccata cgacagacga gtaatttttcg acagatttaa 120
agcacgatgg gtcccagaag gtacccatga ctcttgagct atcatgccct cttgaacaga 180
acaactagga tgaccgctat ggtcagagcc atgaaggatc ctcccacagc catctctgtt 240
gcagaaaagc ccttctcaac tgaagggcct gtcccggtct gggcctcggc tgagtcattg 300

aacaagtccc tgaaaaa 317

<210> 26758
<211> 97
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C6

<400> 26758

accacgcatc cgttgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaac 97

<210> 26759
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D9

<400> 26759

atttgcaagt tcttgtgac atttcgacac cacctgctac gatattttta tatgatgatt 60

ggggcatgcc tcatagagcc gcggtactga aattcccctt cctctgggag gaagactgct 120

tccaagcacc aaaacacgaa ttcgacgtca caagtgtttc ctgcaatgtc tctgcgtcat 180

ccatgatcct gctggactac taacattcac atgcactagt cgtaataaat ccagtgcgct 240

tttcatgtat aaatctgtac tgtggctcgc taaaatacaa tttggcaatg gtttatgaca 300

aaaa 304

<210> 26760
<211> 74
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G2

<400> 26760

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaa aaaa 74

<210> 26761
 <211> 435
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-G4

<400> 26761

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 cagaaacgca atcaagtaca agttattggg tttggagggt tgattcgact tatggaaggg 120
 gacgaggagg acgagaaagg ggatgggttca gccactttg gggtgcattt gcaattctga 180
 ttggtgggtct cttattggat gtgctgatat ctgtttttct tgggtgtttcc gcacttcctg 240
 tcaatataat aattgggtgtt cttatagttc tcggattggg caccgccctt catctagctc 300
 ttgagtgctg tcacgaatgg ggctcaagga ggaacgtggc caatattccg aggctggaga 360
 acatagcgcc gactgggtac caccctgcag tagtataatc gttatgggac ttgtaaatag 420
 cgtangaaca tctaa 435

<210> 26762
 <211> 116
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D12

<400> 26762

cccacgcgtc cgccccacgg tccgcccacg cgtccgaaaa aaaaaaaaaa aaggaaatgga 60
 taataaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aatatataat aaatat 116

<210> 26763
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F1

<400> 26763

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 tatacattgc attcggaatt attgaccata cgacagacga gtaattttcg acagatttaa 120

agcacgatgg gtcccagaag gtacccatga ctcttgagct atcatgccct cttgaacaga 180
acaactagga tgaccgctat ggtcagagcc atgaaggatc ctcccacagc catctctgtt 240
gcagaaaagc ccttctcagc tgaagggcct gctccggtct gggcctcggc tgagtcattg 300
aacaagtccc tgaaaaagtc gggttatattg tggaccacat ccatcacttt cttcttcgca 360
ttgtccacga aatctgcgaa ac 382

<210> 26764
<211> 64
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F9

<400> 26764

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaag 60
gaaa 64

<210> 26765
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H5

<400> 26765

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tttatcagta cacttggttc ctgcataat aacttagcat tttgggagtt ccggaaagat 120
ggaacttggc ctccactaaa gaaaatacaa tgacatcata cgctatacac gatggttctc 180
agatgacttg cctccgaaag aaacaagctg tctactcttt gcacagcggc caggagcgaa 240
gcaaaagcaa aacatgctga tactgtgata caaacattt gacgccatta gcgcctgtac 300
ccgctactag ccagatcaca tactcctcgt ctgcttattg gccgattgct ttccaacctt 360
ctctcggttc tttcttgagc tcctactc 388

<210> 26766
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A6

<400> 26766

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ggttgtcatc accggcaagg gaaagctcga cgggcagggg ccagccgtgt ggagcaagaa 120
ctcctgcgtc aagaagtacg actgcaagat ccttcccaac tcgctgggtga tggacttcgt 180
gaacaacggg gaggtgtccg ggatcacgct gctcaactcc aagttcttcc acatgaacat 240
gtacaagtgc aaggacatgc tgatcaagga cgtcaatgtg acggcgcccg gggacaagcc 300
caacacggac ggcattccaca 320

<210> 26767

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B12

<400> 26767

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tggcttttga tttccagata gaagagaaca gactcaaaac gacaccttat agcgatcgct 120
gcacttaatc cttgttccat gcgcagcaag cctcaagctt attacccttg tttgtcagcg 180
ttgtgtaaaa actgtaaccc ggatgctgtt tcttcttctt cttcttgggt ccttcttttt 240
tctgagtcgt cctttgtgga ttcaataat aaataaagtc ttgtaaaata aac 293

<210> 26768

<211> 64

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C10

<400> 26768

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agag 64

<210> 26769

<211> 70

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-E12
 <400> 26769
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttataaaaaa aaaaaaaaaa aaaaaaaaaa 60
 acagaaacgg 70

<210> 26770
 <211> 256
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F11
 <400> 26770
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 agagaaaggt aaaaaaaaaa aaaagaaaaa aaaagcctgc ctatttatat gatccaagct 120
 ttcgatccct tgcacgacac ttcttacctc ttctctagtg ccacctaata tcaattaact 180
 gcccctcctt taacaacttt taaactgtga aaacccttac tttccccaac ttaatatcct 240
 ttcagctcat cccctt 256

<210> 26771
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F8
 <400> 26771
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 catgatcccc atcgtggaca tcggctgctt cctcgccgcg cacggcgccg cggtcacgat 180
 catcaccacg cctccagct cgcaactcgt ccagagccgc gtggaccgcg ccgggcaagc 240
 ctcagcgggg gtcacgggtca ccgcgatccc gttcccgggc gcggaggccg gcctgccgga 300
 cggctgcgag aggacggacc acatcccata gcctgacctc gtgccaact tcttcgtcgc 360
 caccgcgcgg ttcggcgagg ccgtggcgcg gcaact 395

<210> 26772
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G2

<400> 26772

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gcggtcctcc caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc 180
tggacgctaa agcgacatgg tatggcaagc cgacgggtgc cgggtcccgac gacaacgggtg 240
gtggctgcgg gtacaaggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca 300
acatccccat cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata 360
agcctgtgga gtgctccggc aagcccgtgg tgggtcacat cacggacatg aactatgag 419

<210> 26773
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A12

<400> 26773

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gtggaggagc cgcgtgccga cgagccatgc agatacgggg taacaacctt accgacatgt 120
gctgactcgt gatcaaagca agattatagt tcaagttgga atcatggcac tgtagtagat 180
atagagctat cacatagact tggcgcacga atctgactgc ggctactatg gcaagcgctt 240
tgacactgcc tttggagact tcaccgagaa gatcgtcaac attggtgctg caaatgcccc 300
attccaggtc cttgcaacgc taagaggcca ctataggacc gcgtg 345

<210> 26774
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A8

<400> 26774

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gatcgttgga gactacacat gaatcaacaa cccaagacac acacacacac tctcccaact 120
ggcgactcgc gtgcgtgaag cgatcaaaac acaccaaga tgaaaatact ggtaaaattc 180
aagtacaaga agcgatgaac tggatatat tattatgtat cactccggga cggggggcgg 240
caacacgcgc gcggccggcc ctgcagccgg aggagctcag ctgaagaggt acccaacggc 300
ggccacagcg agcgtgccgg cagcg 325

<210> 26775

<211> 279

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B10

<400> 26775

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ttgatttgat gactgtttcc caatacgtat gcacggatat atacttaagc cttgatactg 120
ctattcgggtg agcaattgaa ctctctaagc atgtactata tctcaaaaga aagtatggca 180
ggccgcatct atgaagtaac caagacttat cgtacgctct gcatgctatc gtcataggct 240
cttctattct gacatctcaa ttgaattaac tgtccaacc 279

<210> 26776

<211> 189

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F10

<400> 26776

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ctatgcgttt gagccggcat cacgctttga cgatccgtat cactaagtgc gcagcgtgta 120
ttgcatctga tccgatggct cacgtactac cctcatatca gacgctatca gtataacaac 180
gtgagtgggt 189

<210> 26777

<211> 57
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-G12

 <400> 26777

 acaacagatt atctctacta taaggccacc taaattcaat tcactgaccg ccagatc 57

<210> 26778
 <211> 305
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-H12

 <400> 26778

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 ggtgaaggat catacgagcg tcggcttgtg ttgtggtcga ataaataatg cgtctgtgtg 120
 ccgatcccggt gtccgggttag tgggcccact gtcactgctg atgtggcctg cctttacagc 180
 acatcgatgg agctggaccg cagagctcat gtgtcgatta aatatatgag tactctgaac 240
 tggaccaact attatgtagt gtcagtgtgt agtaagcata tttgtgtcca caacaacaat 300
 gatgc 305

<210> 26779
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-A12

 <400> 26779

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 ccgcaatcaa cactgcacat ctcatTTaaa aaacgaaggc ctaatagatg tagaaattaa 180
 actaaaatct gaaagcttca caaaatgttt gtatccgctc ctctagcatt tttggtgttg 240
 taaaccacac ctctgggttac cttaactaga aacaagcaac taaccctgat attaacttga 300
 catcaccaat tcacagtcac gcacctg 327

<210> 26780
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A2

<400> 26780

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 gcccggtgtca agcacgcacg cactatataa aatacactta tatacataca tgacgtgtac 120
 tacgacaacg acgaagaaga atgaacagct agcagacgta ccggcggccg attcacaagt 180
 gtacagaaaa cgatcgactc cactccaact atacatatcc tactatggct ttgctacaa 240
 cccgatggat cagaaagcat gcatgcatgt acaggcaggc atggccatgg cgatgcctgc 300
 aggctgcaaa cgaatttgat cagatggctg acacctttgg gacggcgacg gggtacctat 360
 cgatgtc 367

<210> 26781
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-B3

<400> 26781

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 gcatccgctt tgctgtcaag tccggtggct accgcatcgc tgacgacgac atccccgctg 120
 atttcaaggc cggcaccacc tataagacca cactcagcat ctaatcagcc tctgatgatg 180
 aattatatat caaaagagct cacctgggtg tcatgttagc aagacaatat tttttctatg 240
 gttattttgt ggcaccaaac cacccaagaa atatgtgatg ctacatgtcc cttctgatgc 300
 cttgctgtgt tgggttgata ttattacata aactaaatca attatttatt taagatttta 360
 aaagaaa 367

<210> 26782
 <211> 296
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-B5

<400> 26782

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atatttattga cactcgtcag actgctcttc attccccgtt gctgcattag ggcatgcccc 120
cgtcatgtag cagtatttga tctgcttctg cttcatgggt ccacatcctg gtatctttat 180
tccataatga tatatatatt aattaacaaa ctaaaacatg tatttattttt acggggtttgt 240
cgacggatga gcttgctctg gcttgtgcat ggatggaaga accgagatca gctgac 296

<210> 26783

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E7

<400> 26783

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tacgggcagc cgccgccgcc gccgccgatg taccagcagc cgtacggaca gccggtgtac 120
gcgtcggcgt acggccagcc gtcgccgcca ccggcgatgt acccgccgcc gtacgcgcag 180
ccgccgcctc cgccaccaag gaagaccggc gcatcgttcg cggaaggatg ctgtgcaggg 240
tttgccgcaa tctgttgetg ctgcctcatg gacgcgtgct tctgatcgtg tggtcgacca 300
caagcccaag atacgacgtc ttacttctgg cctgggtcag ggtgcccacg agcgaggagc 360
tgagatcaac caccgtgttg agcagctggg ggt 393

<210> 26784

<211> 93

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F6

<400> 26784

aaaaaaaaa aaaaaaacia aaacaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaag 60
aaaaaaaaa aaaaaaaaca agaaaaaaaaa aaa 93

<210> 26785

<211> 178
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-G10

 <400> 26785

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 cgatgaccat ctgatatgga cggaactata tattgtattc ctattaatct ggcatTTTTCT 120
 aagctaattg TTTTTTTTCC aaataagaaa aacaagaaaa aaggacaaaa gaaaaaga 178

<210> 26786
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-A7

 <400> 26786

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 atgtgcaacc agacgtgagg ccagacctac aagggcgcgc acgacggcgc gcccgttga 120
 tcgacccgtt gttcatcggc gcgcggattc aggtgcatat taagatcatt ttcaatatct 180
 tatacaatgg ttacgtcagc ccatacatga gtcctgaat gagctcattg aatgttctac 240
 ttatactata gcatatacta gatgctagcc ttggtgctca tacatggatt cactcatcta 300
 tccactaatt cctaccataa agtgagatga cctatgtgta gacatatata tgcataaata 360
 tatgcattaa acagnatttt aaaagggcg 389

<210> 26787
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-F8

 <400> 26787

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 tacggagaaa ctacatttca cggagtagta aataaacagg gattaattag cgccgtgtgc 120
 atgcatgcat acggcggttg gctggccgac atgatcataa caattaatta attaattaag 180

gcgaagacac gaagcgtgga ggatcgatgc gtccccgccg ccgcagtatg ttttaagctg 240
 acttgccgta gatgtgttgt ggcctgccgg cggcggcgtc cttctgggtg tctatgacag 300
 tctcgaaagc gccgacgagc gccttgaccc tgctgcaactg gcgct 345

<210> 26788
 <211> 345
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-034-Q1-K1-G12
 <400> 26788

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 tagaagcaaa cataggttca cagttcagac ttgacttaca aacagtcgca caaaacatac 120
 agcactctgt tctaactcgg gacacgaaat cctctctttc tctctccctc tccctctccg 180
 ctactgcct caatctagga agactgccgg agctccgggc gcacaaagtc ggcgttggca 240
 ggcacagaga tgtegacggt gggcctcagc tcggcgcaga cctcaatggc accatggaca 300
 ggggccgaca agaagttgct gatgaggtcc tggttgatcg gggcg 345

<210> 26789
 <211> 345
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 26789

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 tatcagtatc aacagtcgag aatttcctta gagttgcaat aattatatcc ccaatagctc 120
 aattgaagca atttaagcaa caaggacaat ggggagccgg acgtttccat aaccataata 180
 acaaggttaa ccttgtatag taagaattga acctttggat ctaacaacaa acaacacatc 240
 caccggatga ggaaggattt cacctttgaa gccaatctc acaccgcgga aggttcctcg 300
 acgtccctcc cccgttcgcc gncaacgcca ccgagcctgg gcaca 345

<210> 26790

<211> 86
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H3

 <400> 26790

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 aaaaaaaaaa aaaaaaaggg ataagg 86

<210> 26791
 <211> 189
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H5

 <400> 26791

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 ggctgatcct atgctctctt gttgcaggat tcaagtttgt tgttgctcgt tccttccctt 120

 tggcaaaaaa aaaaaaataa taaataaaaa aaaaaataaa aatgaaagta aatttacaaa 180

 ttagaaaat 189

<210> 26792
 <211> 65
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C11

 <400> 26792

 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tttaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

 agggg 65

<210> 26793
 <211> 134
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-G6

 <400> 26793

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atgttcgacg gtgtaacacc ctgaatttga gggataaaaa tttcttctct aaataccaac 120
caaattcagg tggt 134

<210> 26794
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G9

<400> 26794

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gctggcttca tggttgaggg tgctacactc gagacagtca ctctatttcc ttatgatgcg 120
gtcaacgatc tcaagggcgg ttactagaga gaattcttgt accttcagca gttcaaacga 180
gctggcaaac ttatctgaat ctttttgata attggctagt tcttctgttc tgggtgttatg 240
aactcatgtg gctattgctg ctggcgtcaa aagattcctt ttattgccat ggttgagata 300
aac 303

<210> 26795
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H4

<400> 26795

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ctttagcata ggaatggatg ctcaagtggc ttatgggttt caccaattac gtgatgaaaa 180
gccatttctt gcacgcgcac cttcatgtac tacggcaatt tacgcaggat atacctgcaa 240
gcaaggatgg ttctttacac aatgtattag tgatcctgag ttaaggggat tgaggaacat 300
tatctgttta tcaatcaaga ggatggacag ctctgagtgg gagaacattc ctgtcccatc 360
gagtgtgagg gcaatcgttg cattaaatct tcacaattat gcaagtggaa gaaacccttg 420
gggaaatttg aagcctgaat atttgagaa aag 453

<210> 26796
 <211> 249
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-H7

 <400> 26796

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 ttgaagcatc gacaagttac tagtcattgc ttacttatat aagaacataa gtagtatttg 120
 ctattgtcaa gtgtgccttg cttgatgcaa gttgtgtttt cgtatcatta ttattatgca 180
 cggccatcgt acgtgtatgg cttgtatggg ttattgccaa ctttaataaaa gcacactctg 240
 tttgcctat 249

<210> 26797
 <211> 325
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C2

 <400> 26797

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 agtatcacag cagctgaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120
 ctttcaacgt ggcacctacg taccgtaccc cagtcaccca cctcacacgc tacctcgctc 180
 gcagtcgcag cttccgctgt acgcacacta ctgcgcggtg cacgcaccga cgacacggtg 240
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 caccctgtct agcgatcgaa cacag 325

<210> 26798
 <211> 299
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E3

 <400> 26798

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tgatagccac ttactgataa cccctggtga caatcttgtg agattatgct tggtagacac 120
 caccctacca agtggcagtt gctggataaa ctacagccta taagcggccc cttgaacaac 180
 atggccttct taactgggac aataacatcg cggaaccaac gtcagacggg tattcacatg 240
 ctaacttact ggtcacctaa cattacaggc gaaactttta tctttacaat ggctgggcg 299

<210> 26799

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F8

<400> 26799

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 tccatagtcc ggaactgtca caggagtatc gtctgcctct gattgaatgt aacagtgcaa 180
 aatgctccac tacactctct ggagaggca caccgttagg gctacggcct tctaggctgc 240
 agcgagctca ttggcgtaga gtttt 265

<210> 26800

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B1

<400> 26800

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 aatttgaatc attaagatcg tcatatgagg agagatgtaa gttgtagaa tctaagaagg 120
 aagatgtagt taaacttgct gcagacaagg aaatgaatga caacatagtt ttgcaactca 180
 ggcaacaact tgaggcaaca aaaaagttcc atgaggcaga gacaaaagag aaggaggatt 240
 atagaaatat taatatgaaa ctttagcagg aattcgaatc attaagatcg tcatatgagg 300
 agagcagcaa gttgtagaa tctaagaagg aagatgtagt taaacttggt acagacaagg 360
 aaacgaatga caacataatt ttgcaactca ggcaagaact tgaggcatca aaaaagttgc 420
 atgaggcaga gactcagcaa ttagagacca aagct 455

<210> 26801
 <211> 143
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B11

 <400> 26801

 taattattta actattttgt atagaactcc attatatatt aaggatgtga cgttcatttc 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 120
 aaaaaacaaa caacaacaaa aac 143

<210> 26802
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-H11

 <400> 26802

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 acaagttcac cacgtaatcg agatgacgtg aaaggtcgga cacgaaccgg acgaaactgc 120
 agctttttatt agtatagtac gtactagctg tagctgtagc gagtacgaaa aggtagcgaa 180
 accctgctgc tcggaggaag tacatctgac atataggagg agcacaagag agcaggccat 240
 catccagccc acacacggcg gcgaccacag gccgctcttc taccgttggt cggacccaaa 300
 acgatccagc gtcacatcac atcacagggc acagcgagtc agcgaccgc accgagaaga 360
 gagaagacct cgctcgcgct ctacaagaac gttccgggcg tcacagagcg cgcccgcgctg 420
 gcttaacacg ccg 433

<210> 26803
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-A12

 <400> 26803

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catggctatg gctcgctccg tcgcgcacct cttctttccc atcctcctta tctccaccgc 120
 gcccgccgtg cgggccatca ccgacgccgc cggcggcccc ggatacctcc aggaggcgtg 180
 caacaagacg ctgttcccca aggtgtgcat gcacgcgctc aaggacaacc cagagtgccca 240
 ggcgagacg gcggtcacc cgcgccggct ggccgagctg ctcggtgacg tgtcggccga 300
 tgtgggcatg accgtggccg cgttcgcgca ccacgagctc aacgccatca aagacgacga 360
 cgttctgtac aagtgcacg acacct 386

<210> 26804
 <211> 178
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A7

<400> 26804
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 attagaattt tcatcacagg ctggcctttt gagtctctgc ctacgcacgc agatgttgtg 120
 gttcttgtgt ttgtagccta tatgtactcc ctgagtcgat tatagaaatg tttatgcc 178

<210> 26805
 <211> 282
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B3

<400> 26805
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 gcggggccaa catctccgtg aagggtccg acctgatcga ggagatcaag acggagctgg 120
 acaagaattg cccgaacgtg gtgtcgtgcg cggacatcat ctcggtgagc gcccgcgact 180
 cgggtgaagct gacagacggg cccgagtacg cgggtccccct tggacggcac gactcgctcg 240
 tgtccaaccg tcaggacgcc gacaacctga cgggcccga ca 282

<210> 26806
 <211> 279
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B6

<400> 26806

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gcgaatgaaa tcaaactgtg tgttttttagc ggtcaagtga ttgtacgaaa tgtaaaaaag 120
aacgaatcca gaacagcagc gcgaaaaaaaa aaaacaattc acgattcttt cgagtcactg 180
caaaaagaaa attgtaaatt ggtagcaact cgtttcttgc ccttggtggc aggattgaat 240
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<210> 26807

<211> 77

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B7

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aaaaaaaaag aaaaagg 77

<210> 26808

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D9

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gttgctccta tcgtgctcgt cgttcggcca catggtgacc acgtccactg acacaccgtc 180
gatcacgccc accaagaagc aggacgacat gccgaagccg tcgccggagg ccgtcaccgc 240
ggcgaactac gcgtcgatgt ggtagcccaa gcgcctcatg cagtgcgctg cccgcacttt 300
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<210> 26809

<211> 203

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H12

<400> 26809

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ccattttcac ctgctcaacc aagcccaaca ccctttacgg gcaagcccca gcttaagcct 120

ctcttttacac acccaaagtt gcgccccaaag ccaactccaat ctccgttgat gttgccgctg 180

attaacaagt aactgaaaaa gtt 203

<210> 26810

<211> 127

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H9

<400> 26810

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gtgcgtccct tgagcactgg catcgcgtct catcccatgg agacgtactc gtagttccat 120

cggtcaa 127

<210> 26811

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A4

<400> 26811

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tcgccgtggc ctacccgggt gctctggctg ccttcgatgt gatagagatg ctggccgaca 120

agcccacgta ctccacgttc ctgaagctcc tgcaggacac caaggctcgc ggcgaggcga 180

atcagctccg gtcggcgacg ctactggctg tccccgacaa acttgccaag cctctggcgt 240

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accccatcaa gctggacgag atgaagacac gca 333

<210> 26812

<211> 55
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-040-Q1-K1-C11

 <400> 26812

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<210> 26813
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-C6

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 tgtcgcgga ctcttagtca cgcctgctgc cgtggacgca acaacactgg cggcaatatg 180
 gaggggaacc gcttttccag acatcagcac caccacagtg gggaccaagt cccagagctc 240
 cgggttctta gacaccatg 259

<210> 26814
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-G10

 <400> 26814

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 gacatgctgg accccgcggt gcccgactgg cccctggagg aggcgcagtg cctcgccgaa 180
 atggcgctcc ggtgctgcga gctgcgcgc aaggaccggc cggacctcgg cgccgtcgtg 240
 ctcccggagc tcaaccggct gcgcgcgtc ggcgaggaca acatgcagta ctgcggcgcc 300
 atcatcaggg ggggcagcgg cagcggcngc ngcatgcaca gctcgtcgcc gttccacagc 360

aacatctcac ggtcacacgc cgagatgatg atcga 395

<210> 26815
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H11

<400> 26815

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taacatgggt cgtcgcatcc tcatggtact cacggtcgcg ctcgtcgctc gcggcgcgga 180
ggccttgatc tgcattctacg atcggaacc ctccgagag gtatacagag cctcctactc 240
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cccccc 305

<210> 26816
<211> 70
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H6

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aactttttaa 70

<210> 26817
<211> 367
<212> DNA
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<223> Clone ID: LIB3066-042-Q1-K1-B12

<400> 26817

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gccaggcccg tccgagacgg tcgccaagca cgtagtgcaa cggcacgtaa aaagaggaga 180

gttgtagcta tggtattctc tgctatatct cttaattaga atattttaatc acagtactga 240
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<210> 26818
 <211> 312
 <212> DNA
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 <223> Clone ID: LIB3066-042-Q1-K1-E4
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 aggatggcat ctcgagcccc atagcagcgc acatctttga cttctgcgac aatggcagcg 180
 gcggcgacct cttcacggcc gtgaacgtgg cctcagacct gttcacggcg ccatcagagg 240
 atgcctcgtc gtcgtccgta gtgacgacgc ctttcgtgcc ctgcggccac ggcgactaca 300
 tgccgttggg ca 312

<210> 26819
 <211> 283
 <212> DNA
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 <223> Clone ID: LIB3066-042-Q1-K1-F4
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 ctatatattg ttttcttatt aatctggcat tttctaagct aattgttttt tttccaaata 180
 taccgtcgat ggaactccaa atgtaatgtc acgcaaagt gtgtttttca tcgattgaat 240
 ggataataat aaaaaggcat gctggcagtt actactagaa aag 283

<210> 26820
 <211> 103
 <212> DNA